

References

Executive Summary

BEA (2004) *2003 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929-2003*. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. Updated July 25, 2004. Accessed October 12, 2004. <<http://www.bea.doc.gov/bea/dn1.htm>>.

EIA (2004) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

EPA (2004) *Air Emissions Trends - Continued Progress Through 2003*. U.S. Environmental Protection Agency, Washington D.C. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

EPA (1997) National Air Pollutant Emissions Trends Report, 1900-1996. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC.

IPCC (2001) *Climate Change 2001: A Scientific Basis*, Intergovernmental Panel on Climate Change; J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell, eds.; Cambridge University Press. Cambridge, U.K.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

IPCC (1996) *Climate Change 1995: The Science of Climate Change*. Intergovernmental Panel on Climate Change; J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell, eds.; Cambridge University Press. Cambridge, U.K.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Keeling, C.D. and T.P. Whorf (2004) *Atmospheric CO₂ records from sites in the SIO air sampling network*. In Trends: A Compendium of Data on Global Change. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory. Oak Ridge, TN. <<http://cdiac.esd.ornl.gov/trends/co2/sio-keel.htm>>

Marland, G., T.A. Boden, and R. J. Andres (2003). "Global, Regional, and National Fossil Fuel CO₂ Emissions." Trends: A Compendium of Data on Global Change. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, TN.

U.S. Census Bureau (2004) U.S. Census Bureau International Database (IDB). Available online at <<http://www.census.gov/ipc/www/idbnew.html>>. Updated: September 30, 2004. Accessed: October 12, 2004.

WMO (1999) Scientific Assessment of Ozone Depletion, Global Ozone Research and Monitoring Project-Report No. 44, World Meteorological Organization, Geneva, Switzerland.

Introduction

Blasing and Jones (2004). *Current Greenhouse Gas Concentrations*. In Trends: A Compendium of Data on Global Change. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory. Oak Ridge, TN.

EPA (2004) *Air Emissions Trends - Continued Progress Through 2003*. U.S. Environmental Protection Agency, Washington D.C. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

UNFCCC (2003) National Communications: Greenhouse Gas Inventories from Parties included in Annex I to the Convention, UNFCCC Guidelines on Reporting and Review. Conference of the Parties, Eighth Session, New Delhi. (FCCC/CP/2002/8) March 28, 2003

IPCC (2001) *Climate Change 2001: A Scientific Basis*, Intergovernmental Panel on Climate Change; J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell, eds.; Cambridge University Press. Cambridge, U.K.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

IPCC (1999) *Aviation and the Global Atmosphere*. Intergovernmental Panel on Climate Change; Penner, J.E., et al., eds.; Cambridge University Press. Cambridge, U.K.

IPCC (1996) *Climate Change 1995: The Science of Climate Change*. Intergovernmental Panel on Climate Change; J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell, eds.; Cambridge University Press. Cambridge, U.K.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Jacobson, M.Z. (2001) Strong Radiative Heating Due to the Mixing State of Black Carbon in Atmospheric Aerosols. *Nature*, 409, pp695-697, Macmillan Publishers.

NRC (2001) *Climate Change Science: An Analysis of Some Key Questions*. Committee of the Science of Climate Change, National Research Council (available on the internet at <<http://books.nap.edu/html/climatechange>>.)

UNEP/WMO (2000) *Information Unit on Climate Change*. Framework Convention on Climate Change (available on the internet at <<http://unfccc.int>>.)

WMO (1999) *Scientific Assessment of Ozone Depletion, Global Ozone Research and Monitoring Project-Report No. 44*, World Meteorological Organization, Geneva, Switzerland.

Trends in Greenhouse Gas Emissions

BEA (2004) *2003 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929-2003*. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. Updated January 30, 2003, accessed July 8, 2004. <<http://www.bea.doc.gov/bea/dn1.htm>>.

Duffield, J. (2004) Telephone and email conversation between Caren Mintz of ICF Consulting and Jim Duffield, Office of Energy Policy and New Uses, USDA, January.

EIA (2004a) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

EIA (2004b) *Short-Term Energy Outlook*. Energy Information Administration, U.S. Department of Energy, Washington, DC. December.

EIA (1991 through 2004) *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0535-annual.

EPA (2004) *Air Emissions Trends - Continued Progress Through 2003*. U.S. Environmental Protection Agency, Washington DC. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>.

IPCC (2001) *Climate Change 2001: A Scientific Basis*, Intergovernmental Panel on Climate Change; J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell, eds.; Cambridge University Press. Cambridge, U.K.

Keeling, C.D. and T.P. Whorf (2004) *Atmospheric CO₂ records from sites in the SIO air sampling network*. In Trends: A Compendium of Data on Global Change. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory. Oak Ridge, TN. Available online at <<http://cdiac.esd.ornl.gov/trends/co2/sio-keel.htm>>.

U.S. Census Bureau (2004) U.S. Census Bureau International Database (IDB). Available online at <<http://www.census.gov/ipc/www/idbnew.html>>. Updated: September 30, 2004. Accessed: October 12, 2004.

Energy

Marland, G., T.A. Boden, and R. J. Andres (2003). "Global, Regional, and National Fossil Fuel CO₂ Emissions." Trends: A Compendium of Data on Global Change. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, TN.

Carbon Dioxide Emissions from Fossil Fuel Combustion

AAR (2004) *Railroad Facts, 2002 Ed.* Policy and Economics Department, Association of American Railroads, Washington, DC.

BEA (2004) *2003 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929-2003*. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. Updated January 30, 2003, accessed July 8, 2004. Available online at <<http://www.bea.doc.gov/bea/dn1.htm>>.

BEA (1991 through 2004) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC.

Bechtel (1993) *A Modified EPRI Class II Estimate for Low NO_x Burner Technology Retrofit*. Prepared for Radian Corporation by Bechtel Power, Gaithersburg, MD. April.

Benson, D. (2002 through 2004) Personal communication. Unpublished data developed by the Upper Great Plains Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.

Dakota Gasification Company (2003), *Carbon Dioxide Gas Specification Sheet*, Bismarck, ND, <<http://www.dakotagas.com/products.htm#CO2>>.

DESC (2004) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense, Washington, DC.

DOC (1991 through 2004) Unpublished “Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries.” Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce, Washington, DC. Form-563.

DOE (1993 through 2004) *Transportation Energy Data Book*. Office of Transportation Technologies, Center for Transportation Analysis, Energy Division, Oak Ridge National Laboratory, ORNL-6959.

DOT (1991 through 2004) *Fuel Cost and Consumption*, Federal Aviation Administration, U.S. Department of Transportation, Bureau of Transportation Statistics, Washington, DC, DAI-10.

EFMA (1995) *Production of Ammonia*. European Fertilizer Manufacturers Association. March 1.

EIA (2004a) *Annual Energy Review 2003*. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0384(2003). September.

EIA (2004b) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

EIA (2004c) *Emissions of Greenhouse Gases in the United States 2003, Draft Report*. Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE-EIA-0573(2004).

EIA (2004d) *International Energy Annual 2002*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0219(04). March.

EIA (2004e) *Natural Gas Annual 2002*. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0131(04). February.

EIA (2004f) *Short-Term Energy Outlook*. Energy Information Administration, U.S. Department of Energy, Washington, DC, December.

EIA (2002a) *Alternative Fuels Data Tables*. Energy Information Administration, U.S. Department of Energy, Washington, DC. (Available online at <<http://www.eia.doe.gov/fuelalternate.html>>.)

EIA (2002b) Personal Communication with Joel Lou. Residual and Distillate Fuel Oil Consumption for Vessel (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

EIA (2001a) *Manufacturing Consumption of Energy 1998*. Energy Information Administration, U.S. Department of Energy, Washington, DC.

EIA (2001b) *U.S. Coal, Domestic and International Issues*, Energy Information Administration, U.S. Department of Energy, Washington, DC, March.

EIA (2003 through 2004) Personal Communication with Charles Esser. Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

EIA (2000 through 2004) *Quarterly Coal Report*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0121

EIA (1991 through 2004) *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0535-annual.

- EPA (2004a) Annual Certification Test Results Report. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/crttst.htm>>.
- EPA (2004b) Motor Vehicle Emission Simulator (MOVES). Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/nonrdmdl.htm>>.
- EPA (2004c) NONROAD Model. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/ngm.htm>>.
- Erickson, T. (2003) *Plains CO₂ Reduction (PCOR) Partnership*, Presented at the Regional Carbon Sequestration Partnership Meeting Pittsburgh, Pennsylvania, November 3, 2003, Energy and Environmental Research Center, University of North Dakota, available online at <<http://www.netl.doe.gov/publications/proceedings/03/carbon-seq/Erickson.pdf>>.
- FAA (2004). *FAA Aerospace Forecasts Fiscal Years 2000-2014*, Table 32 "General Aviation Aircraft Fuel Consumption," Federal Aviation Administration. Available online at <http://apo.faa.gov/foreca02/content_5.htm>.
- Fitzpatrick, E. (2002) *The Weyburn Project: A Model for International Collaboration*, available online at <<http://www.netl.doe.gov/coalpower/sequestration/pubs/mediarelease/mr-101102.pdf>>.
- FHWA (1996 through 2004) *Highway Statistics*. Federal Highway Administration, U.S. Department of Transportation. Washington, DC, report FHWA-PL-96-023-annual.
- FRB (2004) *Industrial Production and Capacity Utilization*. Federal Reserve Board, Federal Reserve Statistical Release, G.17, <http://www.federalreserve.gov/releases/G17/table1_2.htm> Accessed November 22, 2004.
- Gambogi, J.(2004). Personal communication between Rebecca LePrell of ICF Consulting and Joseph Gambogi, Titanium Commodity Specialist, U.S. Geological Survey, 27 August.
- Grillot, M. (2004) Personal communication. *U.S. Territories Fossil Fuel Consumption, 1990-2003*. Unpublished data developed by the U.S. Energy Information Administration, Washington, DC.
- IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.
- Marland, G., and A. Pippin (1990) *United States Emissions of Carbon Dioxide to the Earth's Atmosphere by Economic Activity*. Energy Systems and Policy, 14(4):323.
- NOAA (2004a) *Monthly State, Regional, And National Heating Degree Days Weighted By Population (Includes Aerially Weighted Temperature And Precipitation)* Historical Climatology Series No. 5-1. National Climatic Data Center, National Oceanic and Atmospheric Administration, U.S. Department of Commerce. Available online at <<http://www.ncdc.noaa.gov/oa/documentlibrary/hcs/hcs.html>>. Data for 2003 and 2004 were obtained from EIA (2004a) Table 1.9, as reported by NOAA.
- NOAA (2004b) *Monthly State, Regional, And National Cooling Degree Days Weighted By Population (Includes Aerially Weighted Temperature And Precipitation)* Historical Climatology Series No. 5-1. National Climatic Data Center, National Oceanic and Atmospheric Administration, U.S. Department of Commerce. Available online at <<http://www.ncdc.noaa.gov/oa/documentlibrary/hcs/hcs.html>>. Data for 2003 and 2004 were obtained from EIA (2004a) Table 1.10, as reported by NOAA.
- Onder, H., and E.A. Bagdoyan (1993) *Everything You've Always Wanted to Know about Petroleum Coke*. Allis Mineral Systems.

SAIC/EIA (2001). *Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates. Final Report*. Prepared by Science Applications International Corporation (SAIC) for Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, U.S. Department of Energy, Washington, DC. 22 June.

USAF (1998) *Fuel Logistics Planning*. U.S. Air Force document AFPAM23-221, 1 May.

U.S. Census Bureau (2004a) *Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter Report 2003 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2004b) *International Data Base (IDB): World Population Information*, Washington DC. September 30. Available online at <<http://www.census.gov/ipc/www/idbnew.html>>

U.S. Census Bureau (2003) U.S. International Trade Commission (USITC) Trade Dataweb, available online at <<http://dataweb.usitc.gov/>>. Accessed fall 2002 - spring 2003.

U.S. Census Bureau (1998 through 2003) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Report*, <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (1991 through 1994) *Current Industrial Reports Fertilizer Materials Annual Report*, Report No. MQ28B.

USGS (2003 through 2004) *Mineral Commodity Summaries: Aluminum*. U.S. Geological Survey, Reston, VA. January.

USGS (1998 through 2002) *Mineral Yearbook: Aluminum Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1995 through 2004) *Mineral Yearbook: Silicon Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Mineral Industry Surveys: Aluminum Annual Review 1994*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. May.

USGS (1991 through 1994) *Silicon: Annual Report*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1991 through 2003) *Mineral Yearbook: Titanium Annual Report*. U.S. Geological Survey, Reston, VA.

U.S. International Trade Commission (2004a) *HTS – 2707995010: Carbon Black Feedstock*. U.S. Domestic Exports. Available online at <<http://dataweb.usitc.gov/>>.

U.S. International Trade Commission (2004b) *HTS – 2707: Oils and Other Products of the Distillation of High Temperature Coal Tar; Similar Products in which the Weight of Aromatic Constituents Predominate*. U.S. General Imports. Available online at <<http://dataweb.usitc.gov/>>.

Carbon Emitted from Non-Energy Uses of Fossil Fuels

Adler, B. (2001) Personal communication between Robert Lanza of ICF Consulting and Bob Adler of the U.S. Energy Information Administration (EIA). September 14, 2001.

APC (2004) “APC Year-End Statistics for 2003,” American Plastics Council website, accessed March 2004. Available online at <www.americanplasticscouncil.org/benefits/economic/economic.html>

APC (2003) “APC Year-End Statistics for 2002,” American Plastics Council website, accessed June 2003. Available online at <www.americanplasticscouncil.org/benefits/economic/economic.html>.

APC (2001) as cited in ACS (2001) "Production: slow gains in output of chemicals and products lagged behind U.S. economy as a whole" *Chemical & Engineering News*, American Chemical Society, 25 June. Available online at <<http://pubs.acs.org/cen>>.

APC (2000) as reported in "Facts & Figures for the Chemical Industry," *Chemical and Engineering News*, Vol. 78 (26), June 26, 2000. American Plastics Council. Arlington, VA. Available online at <<http://www.plasticsindustry.org/industry/stat3.htm>>.

CMA (1999) *U.S. Chemical Industry Statistical Handbook*. Chemical Manufacturer's Association. Washington, DC.

Connolly, U. (2000) Personal communication between Suzanne Bratis of ICF Consulting and Una Connelly of National Asphalt Pavement Association. August 2000. (Tel: 859-288-4960).

Davie, I.N., 1993. *Compostability of Petroleum Wax-based Coatings*. Technical Association for the Pulp and Paper Industry Journal. Vol. 76 (2) (p. 167-170).

Davie, I. N., Winter, J. P., Varoney, R.P., 1995. *Decomposition of Coated Papers from a Quick-service Restaurant*. Technical Association for the Pulp and Paper Industry Journal. Vol. 78 (5) (p. 127-130)

Dow (2003) "Dow Products and Services," <www.dow.com/dowanol/nam/products/eb.htm>. Accessed 2002.

DuPont (1995) "DuPont Dibasic Ester Solvents Page," DuPont Nylon. Available online at <<http://pubs.acs.org/pin/dupont/dup222p6.html>>. Accessed 2002.

EIA (2004) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

EIA (2001a) *Annual Energy Review 1999*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0384(99).

EIA (2001b) *Manufacturing Energy Consumption Survey (MECS) 1998*, U.S. Department of Energy, Energy Information Administration, Washington, DC. Available online at <<http://www.eia.doe.gov/emeu/mecs/mecs98/datatables/contents.html>>.

EIA (1997) *Manufacturing Energy Consumption Survey (MECS) 1994*, U.S. Department of Energy, Energy Information Administration, Washington, DC. December. DOE/EIA-0512(94).

EIA (1994) *Manufacturing Energy Consumption Survey (MECS) 1991*, U.S. Department of Energy, Energy Information Administration, Washington, DC. December. DOE/EIA-0512(91).

EIIP (1999) *Methods for Estimating Greenhouse Gas Emissions from Combustion of Fossil Fuels*, Emissions Inventory Improvement Program: State and Territorial Air Pollution Program Administrators/Association of Local Air Pollution Control Officials and U.S. Environmental Protection Agency, EIIP Document Series Volume VIII, Chapter 1. (STAPPA/ALAPCO/EPA), Washington, DC, August 2000. Available online at <<http://www.epa.gov/ttn/chief/eiip/viii01.pdf>>. Accessed August 28, 2000

EIIP (1998) "Area Sources" *Asphalt Paving*, Emissions Inventory Improvement Program: State and Territorial Air Pollution Program Administrators/Association of Local Air Pollution Control Officials and U.S. Environmental Protection Agency, EIIP Document Series Volume III, Chapter 17. (STAPPA/ALAPCO/EPA), Washington, DC, August 2000. Accessed July 27, 2000 <<http://www.epa.gov/ttn/chief/eiip/iii17.pdf>>.

Eldredge-Roebuck (2000) Personal communication between Joe Casola of ICF Consulting and Brandt Eldredge-Roebuck of the American Plastics Council. July, 11 2000. (Tel: 703-253-0611).

EPA (2004a) *National Air Quality and Emissions Trends Report* data, 1900-2003. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC.

EPA (2004b) *Biennial Reporting System (BRS)*. U.S. Environmental Protection Agency, Envirofacts Warehouse. Washington, DC. Available online at <<http://www.epa.gov/enviro/html/brs/>>.

EPA (2003). *Inventory of U.S. Greenhouse Gas Emissions and Sinks*, United States Environmental Protection Agency. (430R03004), Washington, DC.

EPA (2002) *Pesticides Industry Sales and Usage, 1998 and 1999 Market Estimates*, U.S. Environmental Protection Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at <http://www.epa.gov/opppbead1/pestsales/99pestsales/market_estimates1999.pdf>. Accessed July 2003.

EPA (2001) *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-1999*, U.S. Environmental Protection Agency, Office of Atmospheric Programs, Washington, DC. EPA 236-R-01-001.

EPA (2000a) *Biennial Reporting System (BRS)*. U.S. Environmental Protection Agency, Envirofacts Warehouse. Washington, DC. Available online at <<http://www.epa.gov/enviro/html/brs/>>.

EPA (2000b) *Toxics Release Inventory, 1998*. U.S. Environmental Protection Agency, Office of Environmental Information, Office of Information Analysis and Access, Washington, DC. Available online at <<http://www.epa.gov/triexplorer/chemical.htm>>.

EPA (2000c) *Hot Mix Asphalt Plants Emission Assessment Report (Draft Report)*, AP-42. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, June. Available online at <<http://www.epa.gov/ttn/emc/asphalt/ea-report.pdf>> Accessed July 25, 2000.

EPA (1999) *Pesticides Industry Sales and Usage: 1996 and 1997 Market Estimates*. U.S. Environmental Protection Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at <http://www.epa.gov/opppbead1/pestsales/97pestsales/market_estimates1997.pdf>.

EPA (1998) *Pesticides Industry Sales and Usage, 1994 and 1995 Market Estimates*, U.S. Environmental Protection Agency, Office of Prevention, Pesticides and Toxic Substances, Washington, DC. Available online at <http://www.epa.gov/opppbead1/pestsales/95pestsales/market_estimates1995.pdf>. Accessed July 2003.

EPA (1995) *Asphalt Paving Operations*, AP-42, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC.

FEB (2003) Fiber Economics Bureau, as cited in C&EN (2003) "Production Inches Up in Most Countries," Chemical & Engineering News, American Chemical Society, 7 July. Available online at <<http://www.cen-online.org>>.

FEB (2001) as reported in "Production: slow gains in output of chemicals and products lagged behind U.S. economy as a whole," *Chemical and Engineering News*, Vol. 79 (26), June 25, 2001. Fiber Economics Bureau. Washington, DC. Available online at <<http://pubs.acs.org/cen/coverstory/7926/7926facts&figures.html>>.

Gosselin, Smith, and Hodge (1984) "Clinical Toxicology of Commercial Products." Fifth Edition, Williams & Wilkins, Baltimore.

IFF (2002) "Fragrance Ingredients: Alpha Pinene," International Flavors & Fragrances Inc. Available online at <<http://www.iff.com/Ingredients.nsf/0/D8DADD753B3B483780256990005DC01F>>. Accessed 2002.

IGI (2002) *100 Industry Applications*. The International Group Inc. Available online at <http://www.igiwax.com/100_apps.shtml>. Toronto, Ontario.

IISRP (2003) "IISRP Forecasts Moderate Growth in North America to 2007" International Institute of Synthetic Rubber Producers, Inc. New Release. Available online at <<http://www.iisrp.com/press-releases/2003-Press-Releases/IISRP-NA-Forecast-03-07.html>>.

IISRP (2000) as reported in ACS (2001) "Facts & Figures for the Chemical Industry," *Chemical and Engineering News*, Vol. 78 (26), June 26, 2000. International Institute of Synthetic Rubber Producers. Houston, Texas. Available online in IISRP's February 18, 2000, News Release: <<http://www.iisrp.com/Press%20Releases/2000%20Press%20Releases/ASPR2000-2004.PDF>>.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

IPCS (1999) "Safe Work," International Labour Organization, International Programme on Chemical Safety, <www.ilo.org/public/english/protection/safework/cis/products/icsc/dtasht/_icsc07/icsc0754.pdf>. Accessed summer-fall 2003.

James, A. (2000) Personal communication between Suzanne Bratis of ICF Consulting and Alan James of Akzo Nobel Coatings, Inc. July 2000. (Tel: 614-294-3361).

Lide, D. R. (1995) *CRC Handbook of Chemistry and Physics*. CRC Press, Ann Arbor.

Maguire, J. 2004. National Petrochemicals and Refiners Association Wax Contact. *Personal Communication* (August – September, 2004)

Marland, G. and R. M. Rotty (1984) "Carbon dioxide emissions from fossil fuels: a procedure for estimation and results for 1950-1982." *Tellus*. 36B, 4, 232-261.

Miller, T. (1999) *Material Safety Data Sheet, Carbon Black*. Continental Carbon Company. Published September 1, 1999. Downloaded from <<http://www.continentalcarbon.com/downloads/MSDS.pdf>>, October 10, 2003.

NPRA 2002. *North American Wax – A Report Card*. Report presented at the National Petrochemicals and Refiners Association Lubricants and Waxes Meeting (11/15/2002). NPRA (LW-02-126). Washington, DC.

NPRA (2001) *Selected Petrochemical Statistics – U.S. Trade, Production and Consumption*. National Petrochemical & Refiners Association, Washington, DC.

PAN (2002) "Pesticides Database." Pesticide Action Network North America. Available online at <<http://www.pesticideinfo.org>>. Accessed summer-fall 2003.

PTCL (2003) "The Physical and Theoretical Chemistry Laboratory Oxford University Chemical and Other Safety Information," The Physical and Theoretical Chemistry Laboratory. Available online at <<http://physchem.ox.ac.uk/MSDS/>>. Accessed summer-fall 2003.

Rinehart, T. (2000) Personal communication between Thomas Rinehart of U.S. Environmental Protection Agency, Office of Solid Waste, and Randall Freed of ICF Consulting. July 2000. (Tel: 703-308-4309).

RMA (2002) *U.S. Scrap Tire Markets 2001*. Rubber Manufacturers Association, Washington, DC. December 2002.

SPI (2000) The Society of the Plastics Industry Website, <<http://www.plasticsindustry.org/industry/stat3.htm>>. Accessed June 28, 2000.

STMC (2003) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Downloaded from

<http://www.rma.org/scrap_tires/scrap_tire_markets/facts_and_figures/> and
<http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/>. Accessed July 7, 2003.

Tooly, L. (2001) Personal communication between Robert Lanza of ICF Consulting and Lee Tooly of EPA's Office of Air Quality Planning and Standards. Access file sent in an email on August 20, 2001.

U.S. Bureau of the Census (2003) U.S International Trade Commission (USITC) Trade Dataweb,
<<http://dataweb.usitc.gov/>>. Accessed fall 2002-spring 2003.

U.S. Census Bureau (1999) 1997 Economic Census, Manufacturing - Industry Series, Petroleum Lubricating Oil and Grease Manufacturing, document number EC97M-3241D, and Petroleum Refining, document number EC97M-3241A (2 reports).

Wood, A. (2003) "Compendium of Pesticide Common Names" on Alan Wood's Web Site,
<<http://www.alanwood.net/pesticides/index.html>>. Accessed summer-fall 2003.

Stationary Combustion (excluding CO₂)

EIA (2004) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

EPA (2004a) *Air Emissions Trends - Continued Progress Through 2003*. U.S. Environmental Protection Agency, Washington D.C. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>.

EPA (2004b) NONROAD Model. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/ngm.htm>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

Grillot, M. (2004) Personal communication. *U.S. Territories Fossil Fuel Consumption, 1990-2003*. Unpublished data developed by the U.S. Energy Information Administration, Washington, DC.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

SAIC/EIA (2001). "Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates." *Final Report*. Prepared by Science Applications International Corporation (SAIC) for Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, U.S. Department of Energy, Washington, DC. 22 June.

Mobile Combustion (excluding CO₂)

AAR (2004) *Railroad Facts, 2002 Ed.* Policy and Economics Department, Association of American Railroads, Washington, DC.

Barton, P. and J. Simpson (1994) "The effects of aged catalysts and cold ambient temperatures on nitrous oxide emissions." Mobile Source Emissions Division (MSED), Environment Canada, MSED Report #94-21.

Benson, D. (2002 through 2004) Personal communication. Unpublished data developed by the Upper Great Plains Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.

Brasil, T. and W. McMahon (1999) "Exhaust Emission Test Results from a 1998 Ford F-150 LPG/Gasoline Bi-Fueled Light-Duty Truck using Six LPG Fuel Blends." Air Resources Board, July 1999. Available online at <http://www.arb.ca.gov/fuels/altfuels/lpg/mvlpge/LDV_Rpt.htm>.

BEA (1991 through 2004) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department of Commerce.

Browning, L. (2003) "VMT Projections for Alternative Fueled and Advanced Technology Vehicles through 2025," 13th CRC On-Road Vehicle Emissions Workshop, April 2003.

CARB (2000) *Public Meeting to Consider Approval of Revisions to the State's On-road Motor Vehicle Emissions Inventory: Technical Support Document*. California Air Resources Board, California Environmental Protection Agency. May 2000.

Census (2000) *Vehicle Inventory and Use Survey*. U.S. Census Bureau. Washington, DC, database CD-EC97-VIUS.

CRC (1997) Auto/Oil Air Quality Improvement Research Program: Program Final Report. Coordinating Research Council, January 1997.

Dasch, J. M. (1992) *Journal of the Air and Waste Management Association*. "Nitrous Oxide Emissions from Vehicles," 42(1):63-67, January.

DESC (2004) Unpublished data from the Defense Fuels Automated Management System (DFAMS), Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense.

DOC (1991 through 2004) Unpublished "Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries." Form-563, Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce.

DOE (1993 through 2004) *Transportation Energy Data Book*. Office of Transportation Technologies, Center for Transportation Analysis, Energy Division, Oak Ridge National Laboratory, ORNL-6959.

DOT (1991 through 2004) *Fuel Cost and Consumption*, Federal Aviation Administration, U.S. Department of Transportation, Bureau of Transportation Statistics, Washington, DC, DAI-10.

EIA (2004a) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

EIA (2004b) *International Energy Annual, "World Petroleum Supply and Disposition "* Available online at <<http://www.eia.doe.gov/iea/pet.html>>. Table 3.1.

EIA (2002a) *Alternative Fuels Data Tables*. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov/fuelalternate.html>>.

EIA (2002b) Personal Communication with Joel Lou. Residual and Distillate Fuel Oil Consumption for Vessel (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

EIA (2003 through 2004) Personal Communication with Charles Esser. Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

EIA (1991 through 2004) *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0535-annual.

EPA (2004a) Annual Certification Test Results Report. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/crttst.htm>>.

EPA (2004b) Motor Vehicle Emission Simulator (MOVES). Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/nonrdmdl.htm>>.

EPA (2004c) NONROAD Model. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/otaq/ngm.htm>>.

EPA (2004d) Confidential engine family sales data submitted to EPA by manufacturers. Office of Transportation and Air Quality, U.S. Environmental Protection Agency.

EPA (2004e) *Air Emissions Trends - Continued Progress Through 2003*. U.S. Environmental Protection Agency, Washington, DC. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

EPA (2000) *Mobile6 Vehicle Emission Modeling Software*. Office of Mobile Sources, U.S. Environmental Protection Agency. Ann Arbor, Michigan.

EPA (1999) *Emission Facts: The History of Reducing Tailpipe Emissions*. Office of Mobile Sources, May, EPA 420-F-99-017. Available online at <<http://www.epa.gov/oms/consumer/f99017.pdf>>.

EPA (1998) *Emissions of Nitrous Oxide from Highway Mobile Sources: Comments on the Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks, 1990-1996*. Office of Mobile Sources, Assessment and Modeling Division, U.S. Environmental Protection Agency, August, EPA420-R-98-009. Available online at <<http://www.epa.gov/oms/climate.htm>>.

EPA (1997) *Mobile Source Emission Factor Model (MOBILE5a)*. Office of Mobile Sources, U.S. Environmental Protection Agency. Ann Arbor, Michigan.

EPA (1994a) *Automobile Emissions: An Overview*. Office of Mobile Sources, August, EPA 400-F-92-007. Available online at <<http://www.epa.gov/otaq/05-autos.htm>>.

EPA (1994b) *Milestones in Auto Emissions Control*. Office of Mobile Sources, August, EPA 400-F-92-014. Available online at <<http://www.epa.gov/otaq/12-miles.htm>>.

EPA (1993) *Automobiles and Carbon Monoxide*. Office of Mobile Sources, January, EPA 400-F-92-005. Available online at <<http://www.epa.gov/otaq/03-co.htm>>.

EPA/DOE (2001) *Fuel Economy 2001 Datafile*. U.S. Environmental Protection Agency, Department of Energy. Washington, DC, dataset 01guide0918. Available online at <<http://www.fueleconomy.gov/feg/download.shtml>>.

FAA (2004). *FAA Aerospace Forecasts Fiscal Years 2000-2014*, Table 32 "General Aviation Aircraft Fuel Consumption," Federal Aviation Administration. Available online at <http://apo.faa.gov/foreca02/content_5.htm>.

FHWA (1996 through 2004) *Highway Statistics*. Federal Highway Administration, U.S. Department of Transportation. Washington, DC, report FHWA-PL-96-023-annual.

ICF (2004) "Update of Methane and Nitrous Oxide Emission Factors for On-Highway Vehicles," Final Report to U.S. Environmental Protection Agency, February 2004.

ICF (2001) *Revised U.S. VMT estimates and N₂O emission factors*. Memorandum from ICF Consulting to Ed Coe, Office of Transportation and Air Quality, U.S. Environmental Protection Agency. December 2001.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Lipman, T. and M. Delucchi (2002) "Emissions of Nitrous Oxide and Methane from Conventional and Alternative Fuel Motor Vehicles," *Climate Change*, Volume 53, pp.477-516. Available online at < http://ist-socrates.berkeley.edu/~rael/Climatic_Change.pdf>

Norbeck, J., T. Truex, M. Smith, and T. Durbin (1998) "Inventory of AFVs and AFV Comparison: OEM vs. Retrofits," CE-CERT, University of California Riverside, Final Report 98-VE-RT2W-008-FR, September 1998 Available online at <<http://www.cert.ucr.edu/research/pubs/98-ve-rt2w-008-fr.pdf>>.

NREL (2002) *Truck Engine/Fuel System Specification Data*, Center for Transportation Technologies and Systems, National Renewable Energy Laboratory, U.S. Department of Energy, Washington, DC. Available online at <http://www.ctts.nrel.gov/heavy_vehicle/emissions.html>.

Prigent, M. and G. De Soete (1989) "Nitrous oxide N₂O in engines exhaust gases—a first appraisal of catalyst impact," Society of Automotive Engineers, SAE Paper 890492.

Smith, L. R. and P. M. Carey (1982) "Characterization of exhaust emissions from high mileage catalyst-equipped automobiles," Society of Automotive Engineers, SAE Paper 820783.

Unnasch, S. and L. Browning (2000) "Fuel Cycle Energy Conversion Efficiency Analysis."

Unnasch, S., L. Browning and E. Kassoy (2001) "Refinement of Selected Fuel-Cycle Emissions Analyses, Final Report to ARB."

Urban, C. M. and R. J. Garbe (1980) "Exhaust Emissions from Malfunctioning Three-Way Catalyst-Equipped Automobiles," Society of Automotive Engineers, SAE Paper 800511.

Wang, M.G. (1999) "GREET 1.5 – Transportation Fuel Cycle Model" Report No. ANL/ESD-39.

Weaver, C. S. and L.-M. Chan (1996) "Mobile source emission factors for global warming gases," Draft Final Report, 24 June, submitted to ICF, Inc. by Engine, Fuel, and Emissions Engineering, Inc., Sacramento, CA.

Coal Mining

AAPG (1984). *Coalbed Methane Resources of the United States*, AAPG Studies in Geology Series #17, 1984.

Coal Age (2002). *Keystone Coal Industry Manuals 1991-2002*. Primedia Business Magazines & Media. Chicago, IL.

DOE (1983). *Methane Recovery from Coalbeds: A Potential Energy Source*, U.S. Department of Energy, (DOE/METC/83-76).

EIA (2003). Personal Communication on September 30, 2002, U.S. Department of Energy, Energy Information Administration, Washington, DC.

EIA (2003). *Coal Industry Annual 1991-2002*. U.S. Department of Energy, Energy Information Administration, Washington, DC, Table 3.

EPA (2002). *2002 Base Year Greenhouse Gas Inventory Preparation Guidelines* memorandum. U.S. Environmental Protection agency, Air And Radiation, June 2003.

EPA (1996). *Evaluation and Analysis of Gas Content and Coal Properties of Major Coal Bearing Regions of the United States*, U.S. Environmental Protection Agency, EPA/600/R-96-065.

EPA (1990). *Methane Emissions from Coal Mining: Issues and Opportunities for Reduction*. U.S. Environmental Protection Agency, Air and Radiation, September.

GRI (1988). *A Geologic Assessment of Natural Gas from Coal Seams* Topical Reports, Gas Research Institute 1986-88.

Mutmansky, Jan M. and Yanbei Wang (2000). *Analysis of Potential Errors in Determination of Coal Mine Annual Methane Emissions*, Mineral Resources Engineering, Vol. 9, No. 4, December 2000.

USBM (1986). Circular 9067, *Results of the Direct Method Determination of the Gas Contents of U.S. Coal Basins*. U.S. Bureau of Mines.

Abandoned Coal Mines

EPA 2003, "Methane Emissions Estimates & Methodology for Abandoned Coal Mines in the U.S.," Draft Final Report, Washington DC, June 2003.

Garcia, F., and J. Cervik 1987, Method Factors for Anemometer Measurement at Pipe Outlets, U.S. Bureau of Mines, RI 9061, Pittsburgh, PA.

Garcia, F., F. E. McCall, and M. A. Trevits 1994, Proceedings of the 7th U.S. Mine Ventilation Symposium, A Case Study of Methane Gas Migration Through Sealed Mine Gob Into Active Mine Workings, U.S. Bureau of Mines, Pittsburgh, PA.

Irani, M. C., E. D. Thimons, T. G. Bobick, Maurice Deul, and M. G. Zabetakis 1972, Methane Emissions From U.S. Coal Mines, A Survey, U.S. Bureau of Mines, Information Circular 8558, Pittsburgh, PA.

Kirchgessner, D.A., S.D. Piccot, and S.S. Masemore 2001, An Improved Inventory of Methane Emissions from Coal Mining in the U.S., Journal of Air and Waste Management Association, Volume 50:1904-1919, March 2001.

Krog, Robert B., 2004, National Institute for Occupational Safety and Health, MS Excel spreadsheets containing copies of 1985 & 1988 coal mine ventilation data compiled by USBM, June 23, 2004.

Masemore, S., S. Piccot, E. Ringler, and W. P. Diamond 1996, Evaluation and Analysis of Gas Content and Coal Properties of Major Coal Bearing Regions of the United States, EPA-600/R-96-065, Washington, DC.

Mutmansky, Jan M., and Yanbei Wang 2000, Analysis of Potential Errors in Determination of Coal Mine Annual Methane Emissions, Pennsylvania State University, Department of Energy and Geo-Environmental Engineering, University Park, PA.

Seidle, J.P. and L.E. Arri 1990, "Use of Conventional Reservoir Models for Coalbed Methane Simulation," Paper CIM/SPE 90-118, presented at the CIM/SPE International Technical Meeting, Calgary, Alberta, June 10-13, 1990.

U.S. Department of Labor, Mine Health & Safety Administration, 2004, Data Retrieval System. Available online at <<http://www.msha.gov/drs/drshome.htm>>.

U.S. Environmental Protection Agency, 2004, Proposed Improvements to Abandoned Mine Methane Emissions Methodology Memorandum, Coal Permeability, April 23, 2004.

Petroleum Systems

API (2003) *Basic Petroleum Data Book*. American Petroleum Institute, Washington, DC.

DB Robinson Research Ltd. (1997) *API TANKCalc, Version 1.0. A Program for Estimating Emissions from Hydrocarbon Production Tanks*. Prepared for API and GRI. Washington, DC. August 1997.

EIA (1990-2003) *Petroleum Supply Annual 1990-2003 Volume 1*. Energy Information Administration, U.S. Department of Energy, Washington, DC.

EIA (1995-2003a) *Annual Energy Review*. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <www.eia.doe.gov/emeu/mer>.

EIA (1995-2003b) *Monthly Energy Review*. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <www.eia.doe.gov/emeu/mer>.

EIA (2004) *Annual Energy Outlook*. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov/oiaf/aeo/index.html>>.

EPA (1995) *Compilation of Air Pollutant Emission Factors AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources*. U.S. Environmental Protection Agency. Available online at <<http://www.epa.gov/ttn/chief/ap42/index.html>>.

EPA (1999) *Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report)*. Office of Air and Radiation, U.S. Environmental Protection Agency. October 1999.

MMS (1995) *Gulf of Mexico Air Quality Study*. Minerals Management Service, U.S. Department of Interior. August 1995.

MMS (1999) Personal communication on 8/31/99. Minerals Management Service, U.S. Department of Interior, New Orleans, L.A.

MMS (2000) *Field and Reserve Information*. Minerals Management Service, U.S. Department of Interior. Available online at <<http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>>.

MMS (2001) *Delineation Drilling Activities in Federal Waters Offshore Santa Barbara County, California*. Minerals Management Service, U.S. Department of Interior. Available online at <<http://www.mms.gov/itd/pubs/2001/2001-046/TableofContents.pdf>>.

MMS (2004a) *Long-Term Oil and Gas Structure Installation and Removal Forecasting in the Gulf of Mexico: A Decision- and Resource-Based Approach*. Minerals Management Service, U.S. Department of Interior. Available online at <http://www.enrg.lsu.edu/publications/online/2004-009_Final_Report.pdf>.

MMS (2004b) *OCS Platform Activity*. Minerals Management Service, U.S. Department of Interior. Available online at <<http://www.mms.gov/stats>>.

MMS (2004c) *Platform Information and Data*. Minerals Management Service, U.S. Department of Interior. Available online at <<http://www.gomr.mms.gov/homepg/pubinfo/freeasci/platform/freeplat.html>>.

OGJ (2003a) *Oil and Gas Journal 1990-2003*, Pipeline Economics Issue, August or September.

OGJ (2003b) *Oil and Gas Journal 1990-2003*, Worldwide Refining Issue, late December.

Radian (1996a) *Methane Emissions from the Natural Gas Industry, V7: Blow and Purge Activities*. Prepared for the Gas Research Institute and EPA. April 1996.

Radian (1996b) *Methane Emissions from the Natural Gas Industry, V11: Compressor Driver Exhaust*. Prepared for GRI and EPA. April 1996.

Radian (1996c) *Methane Emissions from the Natural Gas Industry, V12: Pneumatic Devices*. Prepared for GRI and EPA. April 1996.

Radian (1996d) *Methane Emissions from the Natural Gas Industry, V13: Chemical Injection Pumps*. Prepared for GRI and EPA. April 1996.

Radian (1996e) *Methane Emissions from the U.S. Petroleum Industry*. Draft. Prepared for GRI and EPA. June 1996.

Radian (1996f) *Methane and Carbon Dioxide Emissions Estimate From U.S. Petroleum Sources*. Prepared for API. July 1996.

United States Army Corps of Engineers (1995-2002) *Waterborne Commerce of the United States, Part 5: National Summaries*. U.S. Army Corps of Engineers, Washington, DC.

Natural Gas Systems

AAPG (2004). Shale Gas Exciting Again. American Association of Petroleum Geologists. Available online at <http://www.aapg.org/explorer/2001/03mar/gas_shales.html>.

AGA (1991-1998) Gas Facts. American Gas Association. Washington, DC.

API (2002, 2003) "Table 12 - Section III - Producing Oil Wells in the United States by State." Basic Petroleum Data Book. American Petroleum Institute. August 2002. Volume XXII, Number 2.

Alabama (2004). Alabama State Oil and Gas Board. Available online at <<http://www.ogb.state.al.us>>.

Brookhaven (2004). Natural Gas Field Subject of Interest at Brookhaven College. Brookhaven College. Available online at <<http://www.brookhavencollege.edu/news/releases/news1752.html>>.

DB Robinson Research Ltd. (1997) API TANKCalc, Version 1.0. A Program for Estimating Emissions from Hydrocarbon Production Tanks. Prepared for API and GRI. Washington, DC. August 1997.

EIA (1993, 1996a, 1997a, 1998a). Table 1, Summary Statistics for Natural Gas in the United States. Natural Gas Annual. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>.

EIA (2001a, 2002a) Table 5, Number of Producing Gas and Gas Condensate Wells by States of December 31, 1997-2002, Natural Gas Annual. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>.

EIA (2003a). "Table 95 - Natural Gas Consumption in the United States, 1930-2000." Natural Gas Annual, 2000. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>. Gas Consumption in the Transportation section is now labeled Vehicle Fuel.

EIA (1998b). "Table 100, Natural Gas Consumption in the United States, 1994-1998." Natural Gas Annual, 1998. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>.

EIA (2002b, 2003b, 2004a). "Table 2 - Supply and Disposition of Dry Natural Gas in the United States 1999-2004." Natural Gas Monthly. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>.

EIA (2001b, 2003c, 2004b). "Table 3 - Natural Gas Consumption in the United States." Natural Gas Monthly. Energy Information Administration, Department of Energy, Washington, DC. Available on line at <www.eia.doe.gov>.

EIA (2002c, 2003d, 2004c). "Table 7 - Marketed Production of Natural Gas by State." Natural Gas Monthly. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>.

EIA (2003e). "Table 6 - Number of Producing Gas and Gas Condensate Wells by State." Historical Natural Gas Annual 1930-2000. Energy Information Administration, Department of Energy, Washington, DC. Available online at <www.eia.doe.gov>.

EIA (1996b, 1997b, 1998c, 1999, 2000, 2001c, 2002d). "Table 15, Crude Oil, Natural Gas." Natural Gas Liquids Reserves 2002 Annual Report, Energy Information Administration, Department of Energy, Washington, DC. Available online at www.eia.doe.gov.

EIA (2004d) Table 5.2. Monthly Energy Review. Energy Information Administration, Department of Energy, Washington, DC. Available online at <http://www.eia.doe.gov/emeu/mer/resource.html>.

EIA (2004e) Report "US LNG Markets and Uses" Energy Information Administration, Department of Energy, Washington, DC. June 2003. Available online at <http://www.eia.doe.gov/pub/oil_gas/natural_gas/feature_articles/2003/lng/lng2003.pdf>.

EIA (2004f) US Imports by Country. Energy Information Administration, Department of Energy, Washington, DC. Available online at http://tonto.eia.doe.gov/dnav/ng/ng_move_top.asp

EIA (2002f) Table 6.5 Natural Gas Consumption by Sector, 1949 – 2001. Annual Energy Review. Energy Information Administration, Department of Energy, Washington, DC. Available online at <<http://www.eia.doe.gov>>.

EPA (2004). Natural Gas STAR Reductions 1990-2003. Natural Gas STAR Program.

EPA/GRI (1996) Methane Emissions from the Natural Gas Industry, Prepared by Harrison, M., T. Shires, J. Wessels, and R. Cowgill, eds. Radian International LLC for National Risk Management Research Laboratory, Air Pollution Prevention and Control Division, Research Triangle Park, NC, EPA-600/R-96-080a.

GSAM (1997) Gas Systems Analysis Model. Federal Energy Technology Center, U.S. Department of Energy. Washington, DC.

Kansas (2004). Kansas Geological Survey. Oil and Gas Production Data, All Wells. University of Kansas. Available online at <<http://www.kgs.ku.edu/PRS/petroDB.html>>.

Lippman (2003). Rocky Mountain Region Second Quarter 2003 Production Report. Lippman Consulting, Inc.

MMS (1998, 1999, 2000, 2001, 2002a, 2003, 2004a) OCS Platform Activity. Minerals Management Service, U.S. Department of Interior. Available online at <<http://www.mms.gov/stats>>.

MMS (2004b) Gulf of Mexico Region Offshore Information. Minerals Management Service, U.S. Department of Interior. Available online at <<http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>>.

MMS (2004c). Current Facts & Figures in the Pacific OCS Region as of December 31, 2003. Minerals Management Service, U.S. Department of Interior. Available online at < <http://www.mms.gov/omm/pacific/offshore/currentfacts.htm>>.

MMS (2004d) Gulf of Mexico Region Products/Free Data. Minerals Management Service, U.S. Department of Interior. Available online at < <http://www.gomr.mms.gov/homepg/pubinfo/freeasci/platform/freeplat.html>>.

MMS (2002b) Emission Inventories of OCF Production and Development Activities in the Gulf of Mexico. MMS 2002-073. Minerals Management Service, U.S. Department of Interior.

MMS (2004e) Personal communication on 10/10/2003. Minerals Management Service, U.S. Department of Interior.

Montana (2004) Personal communication on 08/05/2004. Montana Board of Oil and Gas Conservation, Billing Office.

OGJ (1999, 2000, 2001, 2002, 2003, 2004) "Worldwide Gas Processing." Oil & Gas Journal. PennWell Corporation, Tulsa, OK.

Oklahoma (2004). Coalbed Methane Completions database. Oklahoma Geological Survey.

OPS (2004a). Natural Gas Transmission Pipeline Annual Mileage. Office of Pipeline Safety, Department of Transportation. Washington, DC. Available online at <<http://ops.dot.gov/stats>>.

OPS (2004b). Distribution Annuals Data. Office of Pipeline Safety, Department of Transportation. Washington, DC. Available online at < <http://ops.dot.gov/DT98.htm>>.

Utah (2004) Personal communication on 08/10/2004. Utah Division of Oil, Gas and Mining.

Wyoming (2004). Wyoming Oil and Gas Conservation Commission. Available online at <<http://wogcc.state.wy.us/coalbedchart.cfm>>.

Municipal Solid Waste Combustion

APC (2000) as reported in "Facts & Figures for the Chemical Industry," *Chemical and Engineering News*, Vol. 78 (26), June 26, 2000. American Plastics Council. Arlington, VA. Available online at <<http://www.plasticsindustry.org/industry/stat3.htm>>.

De Soete, G. G. (1993) *Nitrous Oxide from Combustion and Industry: Chemistry, Emissions and Control*. In Van Amstel, A. R. (ed) Proc. of the International Workshop Methane and Nitrous Oxide: Methods in National Emission Inventories and Options for Control, Amersfoort (NL) 3-5 February.

DeZan, D. (2000) Personal communication between Diane DeZan of the Fiber Economics Bureau and Joe Casola of ICF Consulting, August 4, 2000.

Eldredge-Roebuck, B. (2000) Personal communication between Brandt Eldredge-Roebuck of the American Plastics Council and Joe Casola of ICF Consulting, July 11, 2000.

EIA (Energy Information Administration). 2002. AEO2002 (Annual Energy Outlook), Appendix C, High Oil Price Case, Table 2. Energy Consumption by Sector and Source. Available online at <http://www.eia.doe.gov/oiaf/aeo/pdf/aeo_hm.pdf>.

EPA (2003) *Characterization of Municipal Solid Waste in the United States: 2001 Update*. (Draft) U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, EPA. Washington, DC.

EPA (2002a) *Characterization of Municipal Solid Waste in the United States: 2000 Update*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, EPA. Washington, DC, EPA530-R-02-001.

EPA (2002b) *Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC, EPA530-R-98-013.

EPA (2001) *Municipal Solid Waste in the United States: 1999 Facts and Figures*. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-R-01-014.

EPA (2000a) *Characterization of Municipal Solid Waste in the United States: 1999 Update Fact Sheet (and Data Tables)*. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-F-00-024.

EPA (2000b) *Characterization of Municipal Solid Waste in the United States: Source Data on the 1999 Update*. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-F-00-024.

EPA (1999) *Characterization of Municipal Solid Waste in the United States: 1998 Update*. Report No. EPA530-R-99-021. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC.

EPA (1998) *Characterization of Municipal Solid Waste in the United States: 1997 Update*. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-R-98-007.

EPA (1997) *Characterization of Municipal Solid Waste in the United States: 1996 Update*. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC, EPA530-R-97-015.

EPA (1996) *Characterization of Municipal Solid Waste in the United States: 1995 Update*. U.S. Environmental Protection Agency, Office of Solid Waste, EPA. Washington, DC.

EPA (1995) *Compilation of Air Pollutant Emission Factors, AP-42*, Fifth Edition, Volume I: Stationary Point and Area Sources, Introduction. Office of Air Quality Planning and Standards, U.S. EPA. Research Triangle Park, NC. October.

FEB (2000) as reported in "Facts & Figures for the Chemical Industry," *Chemical and Engineering News*, Vol. 78 (26), June 26, 2000. Fiber Economics Bureau. Washington, DC. Available online at <<http://www.fibersource.com/f-info/fiber%20production.htm>>.

Glenn, Jim (1999) "11th Annual BioCycle Nationwide Survey: The State of Garbage in America." *BioCycle*, April 1999. JG Press, Emmaus, PA.

Goldstein, N. and C. Madtes (2001) "13th Annual BioCycle Nationwide Survey: The State of Garbage in America," *BioCycle*, December 2001. JG Press, Emmaus, PA.

Goldstein, N. and C. Madtes (2000) "12th Annual BioCycle Nationwide Survey: The State of Garbage in America, Part I," *BioCycle*, November 2000. JG Press, Emmaus, PA.

IISRP (2000) as reported in "Facts & Figures for the Chemical Industry," *Chemical and Engineering News*, Vol. 78 (26), June 26, 2000. International Institute of Synthetic Rubber Producers. Houston, Texas. Available online in IISRP's February 18, 2000, News Release: <<http://www.iisrp.com/Press%20Releases/2000%20Press%20Releases/ASPR2000-2004.PDF>>.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, IPCC National Greenhouse Gas Inventories Programme Technical Support Unit, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gp/gpgaum.htm>>.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Johnke (1999), as cited in *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, 2000.

Kaufman, et al. "14th Annual BioCycle Nationwide Survey: The State of Garbage in America 2004" *Biocycle*, January, 2004. JG Press, Emmaus, PA.

Kaufman, et al. "Corrections to State of Garbage 2004" *Biocycle*, April, 2004. JG Press, Emmaus, PA.

Kearney, A.T. (1992) *Scrap Tire Use/Disposal Study 1992 Update*. Scrap Tire Management Council, Washington, DC.

Kearney, A.T. (1990) *Scrap Tire Use/Disposal Study Final Report*. Scrap Tire Management Council, Washington, DC.

Miller, T. (1999) *Material Safety Data Sheet, Carbon Black*. Continental Carbon Company. Published September 1, 1999. Downloaded from <<http://www.continentalcarbon.com/downloads/MSDS.pdf>>, October 10, 2003.

RMA (2002) *U.S. Scrap Tire Markets 2001*. Rubber Manufacturers Association, Washington, DC. December 2002.

STMC (2003) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Downloaded from <http://www.rma.org/scrap_tires/scrap_tire_markets/facts_and_figures/> and <http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/>, July 7, 2003.

STMC (2002) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Downloaded from <http://www.rma.org/scrap_tires/facts_figures.html>, October 22, 2002.

STMC (2001) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Downloaded from <http://www.rma.org/scrap_tires/facts_figures.html>, September 5, 2001.

STMC (2000) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Downloaded from <http://www.rma.org/scrap_tires/facts_figures.html>, July 26, 2000.

STMC (1999) *Scrap Tire Use/Disposal Study 1998/1999 Update Executive Summary*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Published September 15, 1999. Downloaded from <<http://www.rma.org/excsumn.html>>, July 26, 2000.

STMC (1997) *Scrap Tire Use/Disposal Study 1996 Update*. Scrap Tire Management Council, Washington, DC.

STMC (1995) *Scrap Tire Use/Disposal Study 1994 Update*. Scrap Tire Management Council, Washington, DC.

UK: Environment Agency (1999), as cited in *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, 2000.

U.S. Census Bureau (2000) Annual Projections of the Total Resident Population as of July 1: Middle, Lowest, Highest, and Zero International Migration Series, 1999 to 2100, February, <<http://www.census.gov/population/projections/nation/summary/np-t1.txt>>.

Watanabe, M., Sato, M., Miyazaki, M. and Tanaka, M. (1992) *Emission Rate of N₂O from Municipal Solid Waste Incinerators*. NIRE/IFP/EPA/SCEJ 5th International Workshop on N₂O Emissions, July 1-3, 1992. Tsukuba, Japan, Paper 3-4.

Yasuda (1993), as cited in Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories, Intergovernmental Panel on Climate Change, 2000.

Natural Gas Flaring and Ambient Air Pollutant Emissions from Oil and Gas Activities

Barns, D. and Edmonds, J. (1990) "An Evaluation of the Relationship Between the Production and Use of Energy and Atmospheric Methane Emissions." DOE/NBB-0088P. Pacific Northwest Laboratory. Richland, WA.

EIA (2000) *Natural Gas Annual 2000*, DOE/EIA 0131(00)-annual, Energy Information Administration, U.S. Department of Energy, Washington, DC. October 2001. Available online at <http://www.eia.doe.gov/pub/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/historical/1999/pdf/table_01.pdf>.

EIA (2001) *Natural Gas Annual 2001*, DOE/EIA 0131(01)-annual, Energy Information Administration, U.S. Department of Energy, Washington, DC. February 2003. Available online at <http://www.eia.doe.gov/pub/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/historical/2000/pdf/table_05.pdf>.

EIA (2004) *Natural Gas Monthly, Summary of Natural Gas Production in the United States*. Available online at <<http://tonto.eia.doe.gov/dnav/ng/hist/n9040us2a.htm>>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

MMS (2003) *Emissions Inventories of OCS Production and Development Activities in the Gulf of Mexico*. A report by the Minerals Management Service. MMS OCS Report 2002 -073.

International Bunker Fuels

BEA (1991 through 2004) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA). U.S. Department of Commerce, Washington, DC.

DESC (2004) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense, Washington, DC.

DOC (1991 through 2004) Unpublished "Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries." Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce, Washington, DC. Form-563.

DOT (1991 through 2004) *Fuel Cost and Consumption*. Airline Information, Bureau of Transportation Statistics, U.S. Department of Transportation, Washington, DC.

EIA (2004) *Monthly Energy Review, July 2004* and Unpublished Supplemental Tables on Petroleum Product detail. Energy Information Administration, U.S. Department of Energy, Washington, DC, DOE/EIA-0035(2004/07).

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

NASA (1996) *Scheduled Civil Aircraft Emission Inventories for 1992: Database Development and Analysis*. Prepared for Langley Research Center, NASA Contractor Report # 4700, April.

USAF (1998) *Fuel Logistics Planning*. U.S. Air Force pamphlet AFPAM23-221, May 1, 1998.

Wood Biomass and Ethanol Consumption

EIA (1997) *Renewable Energy Annual*. Energy Information Administration, U.S. Department of Energy. Washington, DC. March. DOE/EIA-0603(96)

EIA (2004) *Annual Energy Review 2003*. Energy Information Administration, U.S. Department of Energy. Washington, DC. July. Tables 10.2a and 10.2b. DOE/EIA-0384(2003).

Lindstrom, P. (2003) Personal communication between Matthew Stanberry of ICF Consulting and Perry Lindstrom of the Energy Information Administration. November 2003.

Industrial Processes

Iron and Steel Production

AISI (2004) 2003 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

AISI (2003) 2002 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

AISI (2002) 2001 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

AISI (2001) 2000 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

AISI (1996) 1995 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

AISI (1995) 1994 Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

DOE (1997) Office of Industrial Technologies - Energy and Environmental Profile of the U.S. Aluminum Industry, July 1997.

EIA (2004) Quarterly Coal Report January-December 2003, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0121

EIA (2003) Quarterly Coal Report January-December 2002, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0121

EIA (2002) Quarterly Coal Report January-March 2002, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0121 (2002/1Q).

EIA (2001) U.S. Coal, Domestic and International Issues, Energy Information Administration, U.S. Department of Energy, Washington, DC, March 2001.

EIA (2000) Quarterly Coal Report October-December 2000, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0121 (2000/4Q).

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

USGS (2004a) *Minerals Industry Surveys: Aluminum Annual Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2004b) *Minerals Yearbook: Iron and Steel Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2003) *Minerals Industry Surveys: Aluminum Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002a) *Minerals Yearbook: Iron and Steel Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2002b) *Minerals Industry Surveys: Aluminum Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2002c) *Minerals Yearbook: Iron Ore Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001a) *Minerals Yearbook: Iron and Steel Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2001b) *Minerals Industry Surveys: Aluminum Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2001c) *Minerals Yearbook: Iron Ore Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000a) *Minerals Yearbook: Iron and Steel Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (2000b) *Minerals Industry Surveys: Aluminum Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (2000c) *Minerals Yearbook: Iron Ore Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Iron and Steel Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1999b) *Minerals Yearbook: Iron Ore Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Industry Surveys: Aluminum Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1998b) *Minerals Yearbook: Iron Ore Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Iron and Steel Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1997b) *Minerals Yearbook: Iron Ore Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Iron Ore Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995a) *Minerals Yearbook: Iron and Steel Annual Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1995b) *Minerals Industries Surveys: Aluminum Annual Review 1994*. U.S. Geological Survey, U.S. Department of the Interior. Washington, DC. May.

USGS (1995c) *Minerals Yearbook: Iron Ore Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1994) *Minerals Yearbook: Iron Ore Report 1993*. U.S. Geological Survey, Reston, VA.

USGS (1993) *Minerals Yearbook: Iron and Steel Annual Report 1992*. U.S. Geological Survey, Reston, VA.

Cement Manufacture

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

IPCC (1996) *Climate Change 1995: The Science of Climate Change*, Intergovernmental Panel on Climate Change; J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell, eds.; Cambridge University Press. Cambridge, U.K.

USGS (2003) *Minerals Yearbook: Cement Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002) *Minerals Yearbook: Cement Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook: Cement Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook: Cement Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Cement Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Cement Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Cement Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Cement Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995a) *Cement: Annual Report 1993*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. June.

USGS (1995b) *Cement: Annual Report 1994*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1992) *Cement: Annual Report 1990*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. April.

Van Oss (2004) Telephone Conversations between Rebecca LePrell of ICF Consulting and Hendrik Van Oss, Commodity Specialist, USGS, 17 August.

Ammonia Manufacture and Urea Application

Bark (2004) *Coffeyville Nitrogen Plant*. Available online at <http://www.gasification.org/Docs/2003_Papers/07BARK.pdf> Accessed: Dec. 15 2004.

EIA (1998) *Manufacturing Energy Consumption Survey (MECS)* U.S. Department of Energy, Energy Information Administration, Washington D.C. Available online at <<http://www.eia.doe.gov/emeu/mecs/mecs98/datatables/contents.html>>.

EIA (1994) *Manufacturing Energy Consumption Survey (MECS)* U.S. Department of Energy, Energy Information Administration, Washington D.C.

EFMA (1995) *Production of Ammonia*. European Fertilizer Manufacturers Association. March 1.

EPA (1997) *National Air Pollutant Emissions Trends Report, 1900-1996*. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC.

TFI (2002) U.S. Nitrogen Imports/Exports Table, The Fertilizer Institute. Accessed online at <<http://www.tfi.org/statistics/usnexim.asp>>, August 2002.

U.S. Census Bureau (2004) *Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter Report 2003 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2003) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Reports 2002 Summary*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2002a) *Current Industrial Reports Fertilizer Materials and Related Products: First Quarter 2002*. June 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2002b) *Current Industrial Reports Fertilizer Materials and Related Products: Fourth Quarter 2001*. March 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2002c) *Current Industrial Reports Fertilizer Materials and Related Products: Third Quarter 2001*. January 2002. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2001a) *Current Industrial Reports Fertilizer Materials and Related Products: Second Quarter 2001*. September 2001. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2001b) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Report 2000*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (2000) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Report 1999*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (1999) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Report 1998*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (1998) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Report 1997*. Available online at <<http://www.census.gov/cir/www/325/mq325b.html>>.

U.S. Census Bureau (1994) *Current Industrial Reports Fertilizer Materials Annual Report 1993*, Report No. MQ28B.

U.S. Census Bureau (1993) *Current Industrial Reports Fertilizer Materials Annual Report 1992*, Report No. MQ28B.

U.S. Census Bureau (1992) *Current Industrial Reports Fertilizer Materials Annual Report 1991*, Report No. MQ28B.

U.S. Census Bureau (1991) *Current Industrial Reports Fertilizer Materials Annual Report 1990*, Report No. MQ28B.

U.S. ITC (2002) United States International Trade Commission Interactive Tariff and Trade DataWeb, Version 2.5.0. Accessed online at <http://dataweb.usitc.gov/scripts/user_set.asp>. Accessed August, 2002.

Lime Manufacture

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

Males, E. (2003) Public review comments received in a memorandum from Eric Males, National Lime Association to Mr. William N. Irving & Mr. Leif Hockstad, Environmental Protection Agency. Memorandum dated March 6, 2003.

USGS (2004) *Minerals Yearbook: Lime Annual Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2003) *Minerals Yearbook: Lime Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002) *Minerals Yearbook: Lime Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook: Lime Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook: Lime Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Lime Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Lime Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Lime Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Lime Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Minerals Yearbook: Lime Annual Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1994) *Lime: Annual Report 1993*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. September.

USGS (1992) *Lime: Annual Report 1991*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. November.

Limestone and Dolomite Use

Tepordei (2004) Telephone Conversations between Matthew Stanberry of ICF Consulting and Valentin Tepordei, Commodity Specialist, USGS, 20 October.

Tepordei (2003) Telephone Conversations between Matthew Stanberry of ICF Consulting and Valentin Tepordei, Commodity Specialist, USGS, 23 October–31 October.

Tepordei (2002) Telephone Conversations between Matthew Stanberry of ICF Consulting and Valentin Tepordei, Commodity Specialist, USGS, 29 October–8 November.

USGS (2004a) *Minerals Yearbook: Crushed Stone Annual Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2004b) *Minerals Yearbook: Magnesium Annual Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2003a) *Minerals Yearbook: Crushed Stone Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2003b) *Minerals Yearbook: Magnesium Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002a) *Minerals Yearbook: Crushed Stone Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2002b) *Minerals Yearbook: Magnesium Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001a) *Minerals Yearbook: Crushed Stone Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2001b) *Minerals Yearbook: Magnesium Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000a) *Minerals Yearbook: Crushed Stone Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (2000b) *Minerals Yearbook: Magnesium Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999a) *Minerals Yearbook: Crushed Stone Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1999b) *Minerals Yearbook: Magnesium Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998a) *Minerals Yearbook: Crushed Stone Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1998b) *Minerals Yearbook: Magnesium Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997a) *Minerals Yearbook: Crushed Stone Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1997b) *Minerals Yearbook: Magnesium Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996a) *Minerals Yearbook: Crushed Stone Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1996b) *Minerals Yearbook: Magnesium Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995a) *Crushed Stone: Annual Report 1993*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. January.

USGS (1995b) *Crushed Stone: Annual Report 1994*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1995c) *Magnesium: Annual Report 1994*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1993) *Crushed Stone: Annual Report 1991*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. March.

Soda Ash Manufacture and Consumption

USGS (2004) *Minerals Industry Surveys: Soda Ash 2003*. U.S. Geological Survey, Reston, VA.

USGS (2003) *Minerals Yearbook: Soda Ash Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002) *Minerals Yearbook: Soda Ash Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook: Soda Ash Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook: Soda Ash Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Soda Ash Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Soda Ash Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Soda Ash Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Soda Ash Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Minerals Yearbook: Soda Ash Annual Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1994) *Soda Ash: Annual Report 1993*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. July.

Titanium Dioxide Production

Gambogi, J.(2004). Telephone conversation between Rebecca LePrell of ICF Consulting and Joseph Gambogi, Commodity Specialist, U.S. Geological Survey, 27 August.

Gambogi, J.(2002). Telephone conversation between Philip Groth of ICF Consulting and Joseph Gambogi, Commodity Specialist, U.S. Geological Survey, 13 November.

Onder, H, and E.A. Bagdoyan (1993) *Everything You've Always Wanted to Know about Petroleum Coke*. Allis Mineral Systems.

USGS (2003) *Mineral Yearbook: Titanium Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002) *Mineral Yearbook: Titanium Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Mineral Yearbook: Titanium Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Mineral Yearbook: Titanium Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Titanium Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Titanium Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Titanium Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Titanium Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Minerals Yearbook: Titanium Annual Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1994) *Minerals Yearbook: Titanium Annual Report 1993*. U.S. Geological Survey, Reston, VA.

USGS (1993) *Minerals Yearbook: Titanium Annual Report 1992*. U.S. Geological Survey, Reston, VA.

USGS (1992) *Minerals Yearbook: Titanium Annual Report 1991*. U.S. Geological Survey, Reston, VA.

USGS (1991) *Minerals Yearbook: Titanium Annual Report 1990*. U.S. Geological Survey, Reston, VA.

Phosphoric Acid

EFMA (2000) European Fertilizer Manufacturers Association Best Available Techniques for Pollution Prevention and Control in the European Fertilizer Industry -- Booklet No. 4 of 8: Production of Phosphoric Acid. Available online at <<http://www.efma.org/Publications/BAT%202000/Bat04/section04.asp>>

FIPR (2003) Florida Institute of Phosphate Research, Analyses of Some Phosphate Rocks, facsimile from Mr. Gary Albarelli, FIPR, Bartow, Florida, to Mr. Robert Lanza, ICF Consulting, July 29, 2003

FIPR (2003a) Florida Institute of Phosphate Research, personal communication of Mr. Michael Lloyd, Laboratory Manager, FIPR, Bartow, Florida, to Mr. Robert Lanza, ICF Consulting, August 2003.

USGS (2004) *Minerals Yearbook. Phosphate Rock Annual Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2003) Electronic mail from Mr. Stephen M Jasinski, USGS Commodity Specialist, Phosphate Rock, [sjasinsk@usgs.gov] to Mr. Robert Lanza, ICF Consulting, July 30, 2003.

USGS (2003a) Electronic mail from Mr. Stephen M Jasinski, USGS Commodity Specialist, Phosphate Rock, [sjasinsk@usgs.gov] to Mr. Robert Lanza, ICF Consulting, August 11, 2003.

USGS (2002) *Minerals Yearbook. Phosphate Rock Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook. Phosphate Rock Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook. Phosphate Rock Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook. Phosphate Rock Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook. Phosphate Rock Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook. Phosphate Rock Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook. Phosphate Rock Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Minerals Yearbook. Phosphate Rock Annual Report 1994*. U.S. Geological Survey, Reston, VA.

Ferroalloy Production

Corathers, L. (2004) Telephone conversation between Christopher Steuer of ICF Consulting and Lisa Corathers, Commodity Specialist, U.S. Geological Survey, 21 October.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Onder, H, and E.A. Bagdoyan (1993) *Everything You've Always Wanted to Know about Petroleum Coke*. Allis Mineral Systems.

USGS (2003) *Minerals Yearbook: Silicon Annual Report 2002*. U.S. Geological Survey, Reston, VA

USGS (2002) *Minerals Yearbook: Silicon Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook: Silicon Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook: Silicon Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Silicon Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Silicon Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Silicon Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Silicon Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Minerals Yearbook: Silicon Annual Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1994) *Silicon: Annual Report 1993*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1993) *Silicon: Annual Report 1992*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1992) *Silicon: Annual Report 1991*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1991) *Silicon: Annual Report 1990*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

Carbon Dioxide Consumption

Allis, R. et al. (2000) Natural CO₂ Reservoirs on the Colorado Plateau and Southern Rocky Mountains: Candidates for CO₂ Sequestration. Utah Geological Survey and Utah Energy and Geoscience Institute, Salt Lake City, Utah.

Broadhead, R. (2003) Electronic mail from Mr. Ron Broadhead, New Mexico Bureau of Geology and Mineral Resources [ron@gis.nmt.edu] to Ms. Robin Petrusak, ICF Consulting, September 5, 2003.

Denbury Resources Inc. (2004) *Annual Report, 2003, Page 41*.

Denbury Resources Inc. (2003a) Blue Source's Emission Reduction Credit (ERC) Protocol for Denbury Resources' Geologic Sequestration of Recycle CO₂ for Enhanced Oil Recovery Operations, prepared by URS Corporation, November 2002.

Denbury Resources Inc. (2003b) *Annual Report, 2002, Page 14*.

Denbury Resources Inc. (2002) *Annual Report, 2001, Page 22*.

Hangebrauk, R.P., Borgwardt, R.H., and Geron, C.D. (1992) Carbon Dioxide Sequestration. U.S. Environmental.

Sim, P.H. (2001) Ammonia Shutdowns Drain CO₂ Supply and Boost Prices. *Chemical Week*. August 22, 2001.

U.S. Census Bureau (2004). *Current Industrial Reports Industrial Gases: 2003*.

U.S. Census Bureau (2003). *Current Industrial Reports Industrial Gases: 2002*.

U.S. Census Bureau (2001). *Current Industrial Reports Industrial Gases: 2000*.

U.S. Census Bureau (1999). *Current Industrial Reports Industrial Gases: 1998*.

U.S. Census Bureau (1997). *Current Industrial Reports Industrial Gases: 1996*.

U.S. Census Bureau (1995). *Manufacturing Profile Industrial Gases: 1994*.

U.S. Census Bureau (1993). *Current Industrial Reports Industrial Gases: 1992*. Data provided by Mr. Kevin Woynes of the U.S. Census Bureau.

Petrochemical Production

ACC (2003) *Guide to the Business of Chemistry*. American Chemistry Council. Arlington, VA.

ACC (2002) *Guide to the Business of Chemistry*. American Chemistry Council. Arlington, VA.

CMA (1999) *U.S. Chemical Industry Statistical Handbook*. Chemical Manufacturer's Association. Washington, DC.

EIA (2004) Annual Energy Review 2003. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0384(2003). September.

EIA (2003) *Emissions of Greenhouse Gases in the United States 2002*. Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE-EIA-0573(2002). February.

European IPPC Bureau (2004) Draft Reference Document on Best Available Techniques in the Large Volumes Inorganic Chemicals – Solid and Others Industry. European Commission. Page 224, Table 4.21. August 2004.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Johnson, G. L. (2003) Personal communication between Caren Mintz of ICF Consulting and Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA). Data received in an email on November 5, 2003.

Othmer, Kirk (1992) *Carbon (Carbon Black)*. Volume 4. Page 1045.

Srivastava, Manoj, I.D. Singh, and Himmat Singh (1999) Structural Characterization of Petroleum Based Feedstocks for Carbon Black Production. *Petroleum Science and Technology*. 17(1&2), 67-80, Table-1.

The Innovation Group (2004) Carbon Black Plant Capacity. <<http://www.the-innovation-group.com/ChemProfiles/Carbon%20Black.htm>>.

U.S. Census Bureau (2004) 2002 *Economic Census: Manufacturing – Industry Series: Carbon Black Manufacturing*. Department of Commerce, Washington, DC. EC02-311-325182. September 2004.

U.S. Census Bureau (1999) 1997 *Economic Census: Manufacturing - Industry Series: Carbon Black Manufacturing*. Department of Commerce, Washington, DC. EC97M-3251F. August 1999.

U.S. International Trade Commission (2004a) *HTS – 2707995010: Carbon Black Feedstock*. U.S. Domestic Exports. <<http://dataweb.usitc.gov>>.

U.S. International Trade Commission (2004b) *HTS – 2707: Oils and Other Products of the Distillation of High Temperature Coal Tar; Similar Products in which the Weight of Aromatic Constituents Predominate*. U.S. General Imports. <<http://dataweb.usitc.gov>>.

Silicon Carbide Production

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

USGS (2004) *Minerals Yearbook: Manufactured Abrasives Annual Report 2003*. U.S. Geological Survey, Reston, VA.

USGS (2003) *Minerals Yearbook: Manufactured Abrasives Annual Report 2002*. U.S. Geological Survey, Reston, VA.

USGS (2002) *Minerals Yearbook: Manufactured Abrasives Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook: Manufactured Abrasives Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook: Manufactured Abrasives Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1999) *Minerals Yearbook: Manufactured Abrasives Annual Report 1998*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Manufactured Abrasives Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1997) *Minerals Yearbook: Manufactured Abrasives Annual Report 1996*. U.S. Geological Survey, Reston, VA.

USGS (1996) *Minerals Yearbook: Manufactured Abrasives Annual Report 1995*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Minerals Yearbook: Manufactured Abrasives Annual Report 1994*. U.S. Geological Survey, Reston, VA.

USGS (1994) *Manufactured Abrasives: Annual Report 1993*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1993) *Manufactured Abrasives: Annual Report 1992*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1992) *Manufactured Abrasives: Annual Report 1991*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

USGS (1991) *Manufactured Abrasives: Annual Report 1990*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC.

Nitric Acid Production

C&EN (2004) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, July 5, 2004, pg 54.

C&EN (2003) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, July 27, 2003, pg 56.

C&EN (2002) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, June 24, 2002, pg 62.

C&EN (2001) "Facts and Figures in the Chemical Industry." Chemical and Engineering News, June 25, 2001, pg 46.

Choe, J.S., P.J. Cook, and F.P. Petrocelli (1993) "Developing N₂O Abatement Technology for the Nitric Acid Industry." Prepared for presentation at the 1993 ANPSG Conference. Air Products and Chemicals, Inc., Allentown, PA.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000, pg 3.35.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, October.

Adipic Acid Production

ACC (2003) "Adipic Acid Production." Table 3.12 - Production of the Top 100 Chemicals. American Chemistry Council *Guide to the Business of Chemistry*, August 2003.

C&EN (1995) "Production of Top 50 Chemicals Increased Substantially in 1994." *Chemical and Engineering News*, 73(15): 17. April 10, 1995.

C&EN (1994) "Top 50 Chemicals Production Rose Modestly Last Year." *Chemical & Engineering News*, 72(15): 13. April 11, 1994.

C&EN (1993) "Top 50 Chemicals Production Recovered Last Year." *Chemical & Engineering News*, 71(15): 11. April 12, 1993.

C&EN (1992) "Production of Top 50 Chemicals Stagnates in 1991." *Chemical and Engineering News*, 70(15): 17. April 13, 1992.

Childs, D. (2003). Personal communication between Dave Childs of DuPont, USA and Duncan Rotherham of ICF Consulting, USA. August 7, 2003.

Childs, D. (2002). Personal communication between Dave Childs of DuPont, USA and Laxmi Palreddy of ICF, Consulting, USA. August 8, 2002.

CMR (2001) "Chemical Profile: Adipic Acid." *Chemical Market Reporter*, July 16, 2001.

CMR (1998) "Chemical Profile: Adipic Acid." *Chemical Market Reporter*, June 15, 1998.

CW (1999) "Product Focus: Adipic Acid/Adiponitrile." *Chemical Week*, March 10, 1999, pg. 31.

Linak, Eric (2003) Abstract from *Chemical Economics Handbook Report – Adipic Acid*, March.
<<http://ceh.sric.sri.com/Public/Reports/608.5000/>>.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000, pg 3.34.

Reimer, R. (1999). Personal communication between Ron Reimer of DuPont, USA and Heike Mainhardt of ICF, Consulting. May 19, 1999.

Substitution of Ozone Depleting Substances

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

HCFC-22 Production

ARAP (2004). Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to Deborah Ottinger, EPA. June 3, 2004.

ARAP (2003). Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to Sally Rand, EPA. August 18, 2003.

ARAP (2002). Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to Deborah Ottinger, EPA. August 7, 2002.

ARAP (2001). Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to Deborah Ottinger, EPA. August 6, 2001.

ARAP (2000). Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to Sally Rand, EPA. August 13, 2000.

ARAP (1999). Facsimile from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy, to Deborah Ottinger Schaefer, EPA. September 23, 1999.

ARAP (1997). Letter from Dave Stirpe, Director, Alliance for Responsible Atmospheric Policy, to Elizabeth Dutrow, EPA. December 23, 1997.

Rand, S., M. Branscome, and D. Ottinger (1999) "Opportunities for the Reduction of HFC-23 Emissions from the Production of HCFC-22." In: *Proceedings from the Joint IPCC/TEAP Expert Meeting On Options for the Limitation of Emissions of HFCs and PFCs*. Petten, the Netherlands, 26-28 May 1999.

RTI (1997). "Verification of Emission Estimates of HFC-23 from the Production of HCFC-22: Emissions from 1990 through 1996." Report prepared by Research Triangle Institute for the Cadmus Group. November 25, 1997; revised February 16, 1998.

Electrical Transmission and Distribution

IPCC (2001), Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories, Intergovernmental Panel on Climate Change. Available online at <http://www.ipcc-nggip.iges.or.jp/public/gp/pdf/3_Industry.pdf>.

M. Maiss and CAM Brenninkmeijer (2000) "A reversed trend in emissions of SF₆ to the atmosphere?" *Non-CO₂ Greenhouse Gases: Scientific Understanding, Control, and Implementation, Proceedings of the Second International Symposium, Noordwijkerhout, The Netherlands, 8-10 September 1999*, Kluwer Academic Publishers, 2000, p. 199.

O'Connell, P., F. Heil, J. Henriot, G. Mauthe, H. Morrison, L. Neimeyer, M. Pittroff, R. Probst, J.P. Tailebois (2002), *SF₆ in the Electric Industry, Status 2000*, Cigre, February 2002.

RAND (2002) Katie D. Smythe, RAND Environmental Science and Policy Center, "Production and Distribution of SF₆ by End-Use Application," International Conference on SF₆ and the Environment: Emission Reduction Strategies. San Diego, CA, November 21-22, 2002.

UDI (2004) 2004 UDI Directory of Electric Power Producers and Distributors, 112th Edition, Platts.

UDI (2001) 2001 UDI Directory of Electric Power Producers and Distributors, 109th Edition, Platts.

Aluminum Production

EPA (1993) Proceedings: *Workshop on Atmospheric Effects, Origins, and Options for Control of Two Potent Greenhouse Gases: CF₄ and C₂F₆*, Sponsored by the U.S. Environmental Protection Agency, Global Change Division, Office of Air and Radiation, April 21-22.

Garipey, B. and G. Dube (1992) "Treating Aluminum with Chlorine." U.S. Patent 5,145,514. Issued September 8, 1992.

IAI (2000), Anode Effect Survey 1994-1997 and Perfluorocarbon Compounds Emissions Survey 1990-1997, International Aluminum Institute, London, United Kingdom. 2000.

IPCC (2001) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Ko, M.K.W., N.D. Sze, W.-C. Wang, G. Shia, A. Goldman, F.J. Murcray, D.G. Murcray, and C.P. Rinsland (1993) "Atmospheric Sulfur Hexafluoride: Sources, Sinks, and Greenhouse Warming." *Journal of Geophysical Research*, 98, 10499-10507.

MacNeal, J., T. Rack, and R. Corns (1990) "Process for Degassing Aluminum Melts with Sulfur Hexafluoride." U.S. Patent 4,959,101. Issued September 25, 1990.

Maiss, M. and C.A.M. Brenninkmeijer (1998) "Atmospheric SF₆: Trends, Sources and Prospects," *Environmental Science and Technology*, v. 32, n. 20, pp. 3077-3086.

Ten Eyck, N. and M. Lukens (1996) "Process for Treating Molten Aluminum with Chlorine Gas and Sulfur Hexafluoride to Remove Impurities." U.S. Patent 5,536,296. Issued July 16, 1996.

USAA (2004) *Primary Aluminum Statistics*. U.S. Aluminum Association, Washington, DC. January 2004.

USGS (2004) *Mineral Commodity Summaries*. U.S. Geological Survey, Reston, VA.

USGS (2003) *Mineral Commodity Summaries*. U.S. Geological Survey, Reston, VA.

USGS (2002) *Mineral Yearbook: Aluminum Annual Report 2001*. U.S. Geological Survey, Reston, VA.

USGS (2001) *Minerals Yearbook: Aluminum Annual Report 2000*. U.S. Geological Survey, Reston, VA.

USGS (2000) *Minerals Yearbook: Aluminum Annual Report 1999*. U.S. Geological Survey, Reston, VA.

USGS (1998) *Minerals Yearbook: Aluminum Annual Report 1997*. U.S. Geological Survey, Reston, VA.

USGS (1995) *Mineral Industry Surveys: Aluminum Annual Review 1994*. U.S. Geological Survey, U.S. Department of the Interior, formerly Bureau of Mines. Washington, DC. May.

Victor, D.G. and G.J. MacDonald (1998) "A Model for Estimating Future Emissions of Sulfur Hexafluoride and Perfluorocarbons." Interim Report for the International Institute for Applied Systems Analysis (IIASA), July, 1998. Downloaded from the IIASA website <<http://www.iiasa.ac.at/>>, May 23, 2000.

Zurecki, Z. (1996) "Effect of Atmosphere Composition on Homogenizing Al-Mg and Al-Li Alloys." Gas Interactions in Nonferrous Metals Processing - Proceedings of the 1996 125th The Minerals, Metals & Materials Society (TMS) Annual Meeting (Anaheim, CA, USA), pp. 77-93.

Semiconductor Manufacture

Burton, C.S., and R. Beizaie (2001) "EPA's PFC Emissions Model (PEVM) v. 2.14: Description and Documentation" prepared for Office of Global Programs, U. S. Environmental Protection Agency, Washington, DC. 20001 November 2001.

Burton, C.S., and D. Lieberman (2003) "PFC Reduction/Climate Partnership: Emission and Documentation Trends," Draft Report, prepared for Office of Atmospheric Programs, U. S. Environmental Protection Agency, Washington, DC. 2001. August 2003.

International SEMATECH. *International Technology Roadmap: 2000 Update*. <<http://public.itrs.net>>

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

Semiconductor Equipment and Materials International. *World Fab Watch*, 2003 Edition.

Strategic Marketing Associates (2003) Personal communication September 5, 2003 between C. S. Burton and George Burns, President of Strategic Marketing Associates, PO Box 1217, Santa Cruz, CA 95061.

VLSI Research, Inc. (2003a) Document 327031, Volume D1.1, Table 2.2.2-1 - Worldwide Silicon Demand by Wafer Size. May 2003. Available online at <<http://www.vlsiresearch.com>>.

VLSI Research, Inc. (2003b) Document 327028, Volume D1.1, Table 2.2.2-2 - Worldwide Silicon Demand by Linewidth. May 2003. Available online at <<http://www.vlsiresearch.com>>.

VLSI Research, Inc. (2003c) Document 327029, Volume D1.1, Table 2.2.2-3 - Worldwide Silicon Demand by Device Type. May 2003. Available online at <<http://www.vlsiresearch.com>>.

VSLI Research, Inc. (2003d) Personal communication September 5, 2003 between C. S. Burton and Marta Hernandez, Analyst at VLSI Research Inc., 1754 Technology Drive, Suite 117, San Jose, CA 95110.

Magnesium Production and Processing

Bartos S., J. Marks, R. Kantamaneni, C. Laush (2003) "Measured SF₆ Emissions from Magnesium Die Casting Operations," *Magnesium Technology*, Magnesium Technology 2003, Proceedings of The Minerals, Metals & Materials Society (TMS) Conference, March 2003.

EPA (2004). "Characterization of Cover Gas Emissions from U.S. Magnesium Die Casting", Environmental Protection Agency, Office of Air and Radiation. EPA430-R-04-004.

Gjestland, H. and D. Magers (1996) "Practical Usage of Sulphur [Sulfur] Hexafluoride for Melt Protection in the Magnesium Die Casting Industry," #13, *1996 Annual Conference Proceedings*, Ube City, Japan, International Magnesium Association.

IPCC (2001) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

RAND (2002) Katie D. Smythe, RAND Environmental Science and Policy Center, "Production and Distribution of SF₆ by End-Use Application," International Conference on SF₆ and the Environment: Emission Reduction Strategies. San Diego, CA, November 21-22.

USGS (2002). *Minerals Yearbook: Magnesium Annual Report 2001*. U.S. Geological Survey, Reston, VA. Available on the Internet at <<http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>>.

USGS (2003). Personal communication with Deborah A. Kramer. U.S. Geological Survey, Reston, VA. August, 2003.

USGS (2004a). *2004 Magnesium Mineral Commodity Summaries*, United States Geological Survey, Reston, VA. Available on line at <<http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>>.

USGS (2004b). Personal communication with Deborah A. Kramer. U.S. Geological Survey, Reston, VA. August, 2004.

Industrial Sources of Ambient Air Pollutants

EPA (2004) Air Emissions Trends - Continued Progress Through 2003. U.S. Environmental Protection Agency, Washington DC. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>. November 27, 2004.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, October.

Solvent and Other Product Use

Nitrous Oxide Product Usage

CGA (2002) "CGA/NWSA Nitrous Oxide Fact Sheet." Compressed Gas Association. March 25, 2002. Available online at <<http://www.cganet.com/N2O/factsht.htm>>.

Heydorn, B. (1997) "Nitrous Oxide – North America." *Chemical Economics Handbook*, SRI Consulting. May 1997.

Kirt-Otthmer (1990) "Anesthetics." *Kirk-Otthmer Encyclopedia of Chemical Technology*, Volume 2, pp. 781-782.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, National Greenhouse Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

Tupman, M. (2002) Personal communication between Martin Tupman of Airgas Nitrous Oxide and Laxmi Palreddy of ICF Consulting, USA. July 3, 2002.

Tupman, M. (2003) Personal communication between Martin Tupman of Airgas Nitrous Oxide and Daniel Lieberman of ICF Consulting, USA. August 8, 2003.

Solvent Use

EPA (2004) Air Emissions Trends - Continued Progress Through 2003. U.S. Environmental Protection Agency, Washington DC. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>. November 27, 2004.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, October.

Agriculture

Enteric Fermentation

American Society of Agricultural Engineers (1999) "Dimensions of Livestock and Poultry." ASAE 2000 Standards, p. 636.

Becket, J.L. and J.W. Oltjen (1993) Estimation of the water requirement for beef production in the United States. *Journal of Animal Science*. 71:818-826.

Crutzen, P.J., I. Aselmann, and W. Seiler (1986) "Methane Production by Domestic Animals, Wild Ruminants, Other Herbivores, Fauna, and Humans." *Tellus* 38B:271-284.

Donovan, K. (1999) Personal Communication between Kacey Donovan of University of California, Davis and Staff at ICF Consulting.

Donovan, K. and L. Baldwin (1999) Results of the AAMOLLY model runs for the Enteric Fermentation Model. University of California, Davis.

EPA (2003) *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2001*. EPA 430-R-03-004. U.S. Environmental Protection Agency. Washington, DC. April 15, 2003.

EPA (2000) Draft Enteric Fermentation Model Documentation. U.S. Environmental Protection Agency, Office of Air and Radiation, Washington, DC. June 13, 2000.

EPA (1993) Anthropogenic Methane Emissions in the United States: Estimates for 1990, Report to Congress. Office of Air and Radiation, U.S. Environmental Protection Agency, Washington, DC.

FAO (2004) FAOSTAT Statistical Database. Food and Agriculture Organization of the United Nations. Available online at <<http://apps.fao.org>>. Accessed June, 25, 2004.

Feedstuffs (1998) "Nutrient requirements for pregnant replacement heifers." *Feedstuffs*, Reference Issue, p. 50.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. Chapter 4. IPCC National Greenhouse Gas Inventories Programme Technical Support Unit, Kanagawa, Japan. Data also available at <<http://www.ipcc-nggip.iges.or.jp/gp/report.htm>>.

IPCC/UNEP/OECD/IEA (1997). Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Cooperation and Development, International Energy Agency.

Johnson, D. (2002) Personal Communication between Don Johnson of Colorado State University, Fort Collins, and ICF Consulting.

Johnson, D. (1999) Personal Communication between Don Johnson of Colorado State University, Fort Collins, and David Conneely of ICF Consulting.

NRC (1999) 1996 Beef NRC, Appendix Table 22. National Research Council.

NRC (2000) Nutrient Requirements of Beef Cattle: Seventh Revised Edition: Update 2000, Table 11-1, Appendix Table 1. National Research Council.

USDA (2004a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. July 1, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004b) *Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. June 27, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004c) *Livestock Slaughter*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. July 6-7, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004d) *Milk Production*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. July 1, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004e) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004f) *Cattle on Feed*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. July 1, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003b) *Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. June 27, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003c) *Livestock Slaughter*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 24 – June 20, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003d) *Milk Production*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 14, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003e) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003f) *Cattle on Feed*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 14, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 1, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002b) *Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. June 28, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002c) *Livestock Slaughter*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 25 – June 21, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002d) *Milk Production*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 15, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002e) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 1, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002f) *Cattle on Feed*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 15, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 26, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001b) *Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December 28, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001c) *Livestock Slaughter*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 19 – December 21, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001d) *Milk Production*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 16, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001e) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 26, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001f) *Cattle on Feed*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 16, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001g) *US Cattle Supplies and Disposition*, National Agriculture Statistics Service, Washington, DC. Data also available online at <<http://usda.mannlib.cornell.edu/reports/nassr/livestock/pct-bb/specat01.txt>>.

USDA (2000a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 28, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000b) *Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December 28, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000c) *Livestock Slaughter*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 21 – December 22, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000d) *Milk Production*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 16, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000e) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 28. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000f) *Cattle on Feed*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 18, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000g) *Chicken and Eggs - Final Estimates 1988-1993*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Downloaded from <<http://usda.mannlib.cornell.edu/datasets/livestock/95908/sb908.txt>>, May 3, 2000.

USDA (1999a) *Cattle, Final Estimates 1994-1998*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington DC. 1999. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999b) *Hogs and Pigs*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December 28, 1999. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999c) *Livestock Slaughter*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 22 – December 23, 1999. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999d) *Milk Cows and Milk Production – Final Estimates 1993-1997*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 1999. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999e) *Sheep and Goats, Final Estimates 1994-98*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC, 1999. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999f) *Cattle on Feed*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999g) *Miscellaneous Livestock and Animal Specialties Inventory and Sales: 1997 and 1992, Table 25*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Accessed May 2000 <http://www.nass.usda.gov/census/census97/volume1/us-51/us2_25.pdf>.

USDA (1998a) *Hogs and Pigs, Final Estimates 1993-97*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1998b) *Sheep and Goats, Final Estimates 1993-97*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1996) *Beef Cow/Calf Health and Productivity Audit (CHAPA): Forage Analyses from Cow/Calf Herds in 18 States*, National Animal Health Monitoring System, Washington DC. March 1996. Data also available from <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA (1995a) *Cattle, Final Estimates 1989-93*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1995b) *Dairy Outlook*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 27. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1994a) *Hogs and Pigs, Final Estimates 1988-92*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1994b) *Sheep and Goats, Final Estimates 1988-93*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA:APHIS:VS (1998) *Beef '97*, National Animal Health Monitoring System, Fort Collins, CO. 1998. Data also available from <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA:APHIS:VS (1994) *Beef Cow/Calf Health and Productivity Audit*. National Animal Health Monitoring System, Fort Collins, CO. Data also available from <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

USDA:APHIS:VS (1993) *Beef Cow/Calf Health and Productivity Audit*. National Animal Health Monitoring System, Fort Collins, CO. August. Data also available from <<http://www.aphis.usda.gov/vs/ceah/cahm>>.

Western Dairyman (1998) "How Big Should Heifers Be at Calving?" *The Western Dairyman*, Sept. 1998, p. 12.

Manure Management

Anderson, S. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Steve Anderson, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. 31 May.

ASAE (1999) *ASAE Standards 1999*, 46th Edition, American Society of Agricultural Engineers, St. Joseph, MI.

Bryant, M.P., V.H. Varel, R.A. Frobish, and H.R. Isaacson (1976) In: H.G. Schlegel (ed.). *Seminar on Microbial Energy Conversion*. E. Goltz KG. Gottingen, Germany. 347 pp.

Deal, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter B. Deal, Rangeland Management Specialist, Florida Natural Resource Conservation Service, 21 June.

EPA (2004) National Emission Inventory—Ammonia Emissions from Animal Husbandry Operations. Office of Air and Radiation, U.S. Environmental Protection Agency. Available online at <http://www.epa.gov/ttn/chief/ap42/ch09/related/nh3inventorydraft_jan2004.pdf>.

EPA (2003) *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2001*. EPA 430-R-03-004. U.S. Environmental Protection Agency. Washington, DC. April 15, 2003.

EPA (2001a) Cost Methodology Report for Beef and Dairy Animal Feeding Operations. EPA-821-R-01-019, January.

EPA (2001b) Development Document for the Proposed Revisions to the National Pollutant Discharge Elimination System Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations EPA-821-R-01-003, January.

EPA (2000) *AgSTAR Digest*, U.S. Environmental Protection Agency, Office of Air and Radiation. Spring.

EPA (1993) *Anthropogenic Methane Emissions in the United States: Estimates for 1990, Report to Congress*, U.S. Environmental Protection Agency, Office of Air and Radiation. April.

EPA (1992) *Global Methane Emissions from Livestock and Poultry Manure*, U.S. Environmental Protection Agency, Office of Air and Radiation, February.

ERG (2003) Methodology for Estimating Uncertainty for Manure Management Greenhouse Gas Inventory. Contract No. GS-10F-0036, Task Order 005. Memorandum to EPA from ERG. September 26, 2003.

ERG (2001) Summary of development of MDP Factor for methane conversion factor calculations. September 2001.

ERG (2000a) Calculations: Percent Distribution of Manure for Waste Management Systems. August 2000.

ERG (2000b) Summary of B₀ Literature Review. June 2000.

FAO (2004) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United Nations database, <<http://apps.fao.org>>. Accessed April 2004.

Groffman, P.M., R. Brumme, K. Butterbach-Bahl, K.E. Dobbie, A.R. Mosier, D. Ojima, H. Papen, W.J. Parton, K.A. Smith, and C. Wagner-Riddle. (2000) "Evaluating annual nitrous oxide fluxes at the ecosystem scale." *Global Biogeochemical Cycles*, 14(4): 1061-1070.

Hashimoto, A.G. (1984) "Methane from Swine Manure: Effect of Temperature and Influent Substrate Composition on Kinetic Parameter (k)." *Agricultural Wastes*. 9:299-308.

Hashimoto, A.G., V.H. Varel, and Y.R. Chen (1981) "Ultimate Methane Yield from Beef Cattle Manure; Effect of Temperature, Ration Constituents, Antibiotics and Manure Age." *Agricultural Wastes*. 3:241-256.

Hill, D.T. (1984) "Methane Productivity of the Major Animal Types." *Transactions of the ASAE*. 27(2):530-540.

Hill, D.T. (1982) "Design of Digestion Systems for Maximum Methane Production." *Transactions of the ASAE*. 25(1):226-230.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, NGGIP. Chapter 4, Agriculture.

Johnson, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Dan Johnson, State Water Management Engineer, California Natural Resource Conservation Service, 23 June.

Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. 8 May.

Lieberman, D., L. Pederson, and D. Pape. (2004) 1990-2003 Volatile Solids and Nitrogen Excretion Rates Deliverable Under EPA Contract No. GS-10F-0124J, Task Order 027-02. Memorandum to EPA from ICF Consulting. July 29, 2004.

Martin, J. (2000) "A Comparison of the Performance of Three Swine Waste Stabilization Systems," paper submitted to Eastern Research Group, Inc. October, 2000.

Miller, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Paul Miller, Iowa Natural Resource Conservation Service, June 12, 2000.

Milton, B. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Bob Milton, Chief of Livestock Branch, U.S. Department of Agriculture, National Agriculture Statistics Service, May 1, 2000.

Morris, G.R. (1976) *Anaerobic Fermentation of Animal Wastes: A Kinetic and Empirical Design Fermentation*. M.S. Thesis. Cornell University.

NOAA (2004) National Oceanic and Atmospheric Administration (NOAA), National Climate Data Center (NCDC) Downloaded data in April 2004 from <ftp://ftp.ncdc.noaa.gov/pub/data/cirs/> (for all states except Alaska and Hawaii); downloaded data in July 2004 from <ftp://ftp.ncdc.noaa.gov/pub/data/globalsod/> (for Alaska and Hawaii).

Peterson, K., and H. Jacobs (2003) 1990-2002 Volatile Solids and Nitrogen Excretion Rates Deliverable Under EPA Contract No. GS-10F-0124J, Task Order 004-02. Memorandum to EPA from ICF Consulting. August 28, 2003.

Peterson, K., J. King, and D. Johnson (2002) Methodology and Results for Revised Diet Characterization Analysis Deliverable under EPA contract no. 68-W7-0069, task order 505-01. Memorandum to EPA from ICF Consulting. July 31, 2002.

Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) Staff Paper Documenting the Status of Dairy Manure Management in New York: Current Practices and Willingness to Participate in Voluntary Programs, Department of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca, New York, September.

Safley, L.M., Jr. and P.W. Westerman (1992) "Performance of a Low Temperature Lagoon Digester." *Biological Wastes*. 9060-8524/92/S05.00.

Safley, L.M., Jr. and P.W. Westerman (1990) "Psychrophilic Anaerobic Digestion of Animal Manure: Proposed Design Methodology." *Biological Wastes*. 34:133-148.

Safley, L.M., Jr. and P.W. Westerman (1989) "Anaerobic Lagoon Biogas Recovery Systems." *Biological Wastes*. 27:43-62.

Safley, L.M., Jr. (2000) Telephone conversation between Deb Bartram of ERG and L.M. Safley, President, Agri-Waste Technology, June and October.

Stettler, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Don Stettler, Environmental Engineer, National Climate Center, Oregon Natural Resource Conservation Service, 27 June.

Summers, R. and S. Bousfield (1980) "A Detailed Study of Piggery-waste Anaerobic Digestion." *Agricultural Wastes*. 2:61-78.

Sweeten, J. (2000) Telephone conversation between Indra Mitra of ERG and John Sweeten, Texas A&M University, June 2000.

UEP (1999) Voluntary Survey Results - Estimated Percentage Participation/Activity, Caged Layer Environmental Management Practices, Industry data submissions for EPA profile development, United Egg Producers and National Chicken Council. Received from John Thorne, Capitollink. June 2000.

USDA (2004a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004b) *Cattle on Feed Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 23, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004c) *Hogs and Pig*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. March 26, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004d) *Chicken and Eggs Annual Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 24, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004e) *Poultry Production and Value Annual Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. April 29, 2004. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2004f) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2004. Data also available from <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2003a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003b) *Cattle on Feed Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 17, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003c) *Hogs and Pig*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. March 28, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003d) *Chicken and Eggs Annual Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 30, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003e) *Poultry Production and Value Annual Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. April 29, 2003, revised May 3, 2003. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003f) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 2003. Data also available from <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2002a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 1, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002b) *Cattle on Feed Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 18, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002c) *Hogs and Pig*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. March 28, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002d) *Chicken and Eggs Annual Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 29, 2002, revised March 22, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002e) *Poultry Production and Value Annual Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. April 29, 2002, revised May 3, 2002. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002f) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. February 1, 2002. Data also available from <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2001a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 26, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001b) *Cattle on Feed Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 19, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001c) *Hogs and Pig*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. March 30, 2001. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001d) *Chicken and Eggs - 1999 Summary Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January.

USDA (2001e) *Poultry Production and Value - 1999 Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. April.

USDA (2001f) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January. Data also available from <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2001g) Published Estimates Database, U.S. Department of Agriculture, National Agricultural Statistics Service, Washington, DC. Downloaded from <<http://www.nass.usda.gov:81/ipedb/>>, September 26, 2001.

USDA (2000a) *Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 28, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000b) *Cattle on Feed Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. April 14, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000c) *Hogs and Pig*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. March 24, 2000. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000d) *Chicken and Eggs - 1999 Summary Cattle*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January.

USDA (2000e) *Poultry Production and Value - 1999 Summary*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. April.

USDA (2000f) *Sheep and Goats*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January. Data also available from <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2000g) *Chicken and Eggs - Final Estimates 1988-1993*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Downloaded from <<http://usda.mannlib.cornell.edu/data-sets/livestock/95908/sb908.txt>>, May 3, 2000.

USDA (2000h) Re-aggregated data from the National Animal Health Monitoring System's (NAHMS) Dairy '96 study provided by Stephen L. Ott of the U.S. Department of Agriculture, Animal and Plant Health Inspection Service. June 19.

USDA (2000i) *Layers '99 – Part II: References of 1999 Table Egg Layer Management in the U.S.*, U.S. Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), National Animal Health Monitoring System (NAHMS). January.

USDA (1999a) *Cattle - Final Estimates 1994-98*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999b) *Poultry Production and Value - Final Estimates 1994-97*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. March.

USDA (1999c) *Sheep and Goats - Final Estimates 1994-1998*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January.

USDA (1999d). *Miscellaneous Livestock and Animal Specialties Inventory and Sales: 1997 and 1992*, Table 25, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Accessed May 2000 <http://www.nass.usda.gov/census/census97/volume1/us-51/us2_25.pdf>.

USDA (1999e) *1992 and 1997 Census of Agriculture (CD-ROM)*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC.

USDA (1998a) *Hogs and Pigs - Final Estimates 1993-97*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1998b) *Chicken and Eggs - Final Estimates 1994-97*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December.

USDA (1998c) *Nutrients Available from Livestock Manure Relative to Crop Growth Requirements*, Resource Assessment and Strategic Planning Working Paper 98-1, U.S. Department of Agriculture, Natural Resources Conservation Service. February.

USDA (1998d) Re-aggregated data from the National Animal Health Monitoring System's (NAHMS) Swine '95 study aggregated by Eric Bush of the U.S. Department of Agriculture, Centers for Epidemiology and Animal Health.

USDA (1996a) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651, U.S. Department of Agriculture, Natural Resources Conservation Service. July.

USDA (1996b) *Swine '95: Grower/Finisher Part II: Reference of 1995 U.S. Grower/Finisher Health & Management Practices*, U.S. Department of Agriculture, Animal Plant Health and Inspection Service, Washington, DC. June.

USDA (1995a) *Cattle - Final Estimates 1989-93*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1995b) *Poultry Production and Value - Final Estimates 1989-1993*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January.

USDA (1994a) *Hogs and Pigs - Final Estimates 1988-92*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. December. Data also available from <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1994b) *Sheep and Goats - Final Estimates 1989-1993*, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. January 31, 1994.

Wright, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter Wright, Cornell University, College of Agriculture and Life Sciences, June 23, 2000.

Rice Cultivation

Bollich, P. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Pat Bollich, Professor with Louisiana State University Agriculture Center. May 17, 2000.

Bossio, D.A., W. Horwath, R.G. Mutters, and C. van Kessel (1999) "Methane pool and flux dynamics in a rice field following straw incorporation." *Soil Biology and Biochemistry* 31:1313-1322.

Cantens, G. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. July 30, 2004.

Cicerone R.J., C.C. Delwiche, S.C. Tyler, and P.R. Zimmerman (1992) "Methane Emissions from California Rice Paddies with Varied Treatments." *Global Biogeochemical Cycles* 6:233-248.

Deren, C. (2002) Telephone conversation between Caren Mintz and Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida. August 15, 2002.

Guethle, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service. June 23, 2004.

Guethle, D. (2003) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service. June 19, 2003.

Guethle, D. (2002) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service. August 19, 2002.

Guethle, D. (2001) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle, Agronomy Specialist at Missouri Cooperative Extension Service. September 4, 2001.

Holzappel-Pschorn, A., R. Conrad, and W. Seiler (1985) "Production, Oxidation, and Emissions of Methane in Rice Paddies." *FEMS Microbiology Ecology* 31:343-351.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. IPCC National Greenhouse Gas Inventories Programme Technical Support Unit, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/gp/report.htm>>.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Kirstein, A. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL. June 30, 2004.

Kirstein, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL. August 13, 2003.

Klosterboer, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, retired Extension Agronomist, Texas A&M University. July 7, 2003.

Klosterboer, A. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A&M University. August 19, 2002.

Klosterboer, A. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. August 6, 2001.

Klosterboer, A. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. October 8, 2001.

Klosterboer, A. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. May 18, 2000.

Klosterboer, A. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. June 10, 1999.

Klosterboer, A. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Arlen Klosterboer, Texas A & M University. December 1, 1997.

Lee, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service Agency, Stillwater, OK. July 23, 2004.

Lee, D. (2003) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Danny Lee, OK Farm Service Agency, Stillwater, OK. July 2, 2003.

Lindau, C.W. and P.K. Bollich (1993) "Methane Emissions from Louisiana First and Ratoon Crop Rice." *Soil Science* 156:42-48.

Lindau, C.W., P.K. Bollich, and R.D. DeLaune (1995) "Effect of Rice Variety on Methane Emission from Louisiana Rice." *Agriculture, Ecosystems and Environment* 54:109-114.

Linscombe, S. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center. June 23, 2004.

Linscombe, S. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center. June 10, 2003.

Linscombe, S. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center. August 21, 2002.

Linscombe, S. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA. July 30– August 1, 2001.

Linscombe, S. (2001b) Email correspondence between Caren Mintz of ICF Consulting and Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA. October 4, 2001.

Linscombe, S. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA. June 3, 1999.

Linscombe, S. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA. August 9, 1999.

Mayhew, W. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Walter Mayhew, University of Arkansas, Little Rock. November 24, 1997.

Mutters, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service. June 25, 2004.

Mutters, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service. June 23, 2003.

Mutters, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service. August 27, 2002.

Mutters, C. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties, University of California Cooperative Extension Service. September 5, 2001.

Saichuk, J. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and John Saichuk, Louisiana State University. November 24, 1997.

Sass, R.L., F.M. Fisher, P.A. Harcombe, and F.T. Turner (1991a) "Mitigation of Methane Emissions from Rice Fields: Possible Adverse Effects of Incorporated Rice Straw." *Global Biogeochemical Cycles* 5:275-287.

Sass, R.L., F.M. Fisher, F.T. Turner, and M.F. Jund (1991b) "Methane Emissions from Rice Fields as Influenced by Solar Radiation, Temperature, and Straw Incorporation." *Global Biogeochemical Cycles* 5:335-350.

Sass, R.L., F.M. Fisher, P.A. Harcombe, and F.T. Turner (1990) "Methane Production and Emissions in a Texas Rice Field." *Global Biogeochemical Cycles* 4:47-68.

Sass, R.L., F.M. Fisher, and Y.B. Wang (1992) "Methane Emission from Rice Fields: The Effect of Floodwater Management." *Global Biogeochemical Cycles* 6:249-262.

Schueneman, T. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida. July 30, 2001.

Schueneman, T. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida. October 9, 2001.

- Schueneman, T. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida. May 16, 2000.
- Schueneman, T. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida. June 7, 1999.
- Schueneman, T. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida. August 10, 1999.
- Schueneman, T. (1999c) Telephone conversation between John Venezia of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida. August 7, 1999.
- Schueneman, T. (1997) Telephone conversation between Barbara Braatz of ICF Incorporated and Tom Schueneman, County Extension Agent, Florida. November 7, 1997.
- Slaton, N. (2001a) Telephone conversation between Caren Mintz of ICF Consulting and Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service. August 23, 2001.
- Slaton, N. (2001b) Telephone conversation between Caren Mintz of ICF Consulting and Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service. October 3, 2001.
- Slaton, N. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service. May 20, 2000.
- Slaton, N. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service. June 3, 1999.
- Stansel, J. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Jim Stansel, Resident Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center. July 12, 2004.
- Stevens, G. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Gene Stevens, Extension Specialist, Missouri Commercial Agriculture Program, Delta Research Center. December 17, 1997.
- Street, J. (2003) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center. June 19, 2003.
- Street, J. (2002) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center. August 19, 2002.
- Street, J. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Joe Street, Mississippi State University, Delta Research and Extension Center and Delta Branch Station. October 3, 2001.
- Street, J. (1997) Telephone conversation between Holly Simpkins of ICF Incorporated and Dr. Joe Street, Mississippi State University, Delta Research and Extension Center and Delta Branch Station. December 1, 1997.
- USDA (2004) *Crop Production 2003 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed June 2004.
- USDA (2003) *Crop Production 2002 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed June 2003.

USDA (2002) *Crop Production 2001 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed June 2002.

USDA (2001) *Crop Production 2000 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed July 2001.

USDA (1998) *Field Crops Final Estimates 1992-97*. Statistical Bulletin Number 947 a. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed July 2001.

USDA (1994) *Field Crops Final Estimates 1987-1992*. Statistical Bulletin Number 896. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed July 2001.

Walker, T. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station. July 12, 2004.

Wilson, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service. June 23, 2004.

Wilson, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service. June 11, 2003.

Wilson, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service. August 23, 2002.

Agricultural Soil Management

AAPFCO (2003) *Commercial Fertilizers 2002*. Association of American Plant Food Control Officials and The Fertilizer Institute. University of Kentucky, Lexington, KY.

AAPFCO (2002) *Commercial Fertilizers 2001*. Association of American Plant Food Control Officials and The Fertilizer Institute. University of Kentucky, Lexington, KY.

AAPFCO (2000a) 1999-2000 Commercial Fertilizers Data, ASCII files. Available from David Terry, Secretary, AAPFCO.

AAPFCO (2000b) *Commercial Fertilizers 2000*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (1999) *Commercial Fertilizers 1999*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (1998) *Commercial Fertilizers 1998*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (1997) *Commercial Fertilizers 1997*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (1996) *Commercial Fertilizers 1996*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (1995) *Commercial Fertilizers 1995*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

Alexander, R.B. and R.A. Smith (1990) *County-Level Estimates of Nitrogen and Phosphorous Fertilizer Use in the United States, 1945-1985*. U.S. Geological Survey Open File Report 90-130.

Anderson, S. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Steve Anderson, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 31, 2000.

Anonymous (1924) Fertilizer Used on Cotton, 1923-1924. Table 753 in "Miscellaneous Agricultural Statistics." *1924 Yearbook of the Department of Agriculture*, p. 1171.

ASAE (1999) *ASAE Standards 1999*. 46th Edition, American Society of Agricultural Engineers, St. Joseph, MI.

Barnard, G.W. and Kristoferson, L.A. (1985) *Agricultural Residues as Fuel in the Third World*. Technical Report No. 5. Earthscan, London, UK.

Bastian, R. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC, August 13, 2003.

Bastian, R. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC, 23 August.

Battaglin, W.A., and D.A. Goolsby (1994) *Spatial Data in Geographic Information System Format on Agricultural Chemical use, Land Use, and Cropping Practices in the United States*. U.S. Geological Survey Water-Resources Investigations Report. 94-4176.

Bogue A.G. (1963) *From Prairie to Corn Belt: Farming on the Illinois and Iowa prairies in the Nineteenth Century*. The University of Chicago Press, Chicago, IL.

Bonnen C.A., and F.F. Elliott (1931) *Type of Farming Areas in Texas*. Texas Agricultural Experiment Station Bulletin Number 427. Agricultural and Mechanical College of Texas.

Brooks W.P. (1901) *Agriculture Vol. II: Manures, Fertilizers and Farm Crops, Including Green Manuring and Crop Rotation*. The King-Richardson Co., Publishers. Springfield, MA.

Brenner, J., K. Paustian, G. Bluhm, J. Cipra, M. Easter, R. Foulk, K. Killian, R. Moore, J. Schuler, P. Smith, and S. Williams (2002) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Nebraska*. Colorado State University Natural Resource Ecology Laboratory and USDA Natural Resources Conservation Service, Fort Collins, CO.

Brenner, J., K. Paustian., G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, T. Koutza, K. Killian, J. Schuler, S. Williams (2001) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Iowa*. Final report to the Iowa Conservation Partnership. Colorado State University Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service, Fort Collins, CO.

Cantens, G. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. July 30, 2004.

Carpenter, G.H. (1992) "Current Litter Practices and Future Needs." In: *1992 National Poultry Waste Management Symposium Proceedings*, Blake, J.P., Donald, J.O., and Patterson, P.H. (eds.), pp. 268-273, Auburn University Printing Service, Auburn, AL.

Chilcott E.C. (1910) *A Study of Cultivation Methods and Crop Rotations for the Great Plains Area*. U.S. Department of Agriculture Bureau of Plant Industry Bulletin Number 187. Government Printing Office, Washington, DC.

CTIC (1998) *1998 Crop Residue Management Executive Summary*. Conservation Technology Information Center. Data available online at <<http://www.ctic.purdue.edu/Core4/CT/CT.html>>.

Daly, C., G.H. Taylor, W.P. Gibson, T. Parzybok, G.L. Johnson, and P.A. Pasteris (1998) "Development of high-quality spatial datasets for the United States." in: *Proc., 1st International Conference on Geospatial Information in Agriculture and Forestry*, Lake Buena Vista, FL. June 1-3, 1998, pp.I-512-I-519.

Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A statistical-topographic model for mapping climatological precipitation over mountainous terrain." *Journal of Applied Meteorology*, 33:140-158.

Deal, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter B. Deal, Rangeland Management Specialist, Florida Natural Resource Conservation Service, June 21, 2000.

Del Grosso, S.J., W.J. Parton, A.R. Mosier, M.D. Hartman, J. Brenner, D.S. Ojima, D.S. Schimel (2001) "Simulated Interaction of Carbon Dynamics and Nitrogen Trace Gas Fluxes Using the DAYCENT Model." In: Schaffer, M., L. Ma, S. Hansen, (Eds.), *Modeling Carbon and Nitrogen Dynamics for Soil Management*. CRC Press, Boca Raton, Florida, pp. 303-332.

Del Grosso, S.J., A.R. Mosier, W.J. Parton and D.S. Ojima (In Press) "DAYCENT Model Analysis of Past and Contemporary Soil N₂O and Net Greenhouse Gas Flux for Major Crops in the USA." *Soil Tillage and Research*.

Deren, C. (2002). Telephone conversation between Caren Mintz and Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida. August 15, 2002.

Edmonds, L., N. Gollehon, R.L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D.C. Moffitt, and J. Schaeffer (2003) "Costs Associated with Development and Implementation of Comprehensive Nutrient Management Plans." Part 1. *Nutrient Management, Land Treatment, Manure and Wastewater Handling and Storage, and Recordkeeping*. Natural Resource Conservation Service, U.S. Department of Agriculture.

Elliott F.F. (1933) *Types of Farming in the United States*. U.S. Department of Commerce. Government Printing Office, Washington, DC.

Elliott F.F. and J.W. Tapp (1928) *Types of Farming in North Dakota*. U.S. Department of Agriculture Technical Bulletin Number 102.

Ellsworth J.O. (1929) *Types of Farming in Oklahoma*. Agricultural Experiment Station Bulletin Number 181. Oklahoma Agricultural and Mechanical College.

Engle, R.H., and B.R. Makela (1947) "Where is All the Fertilizer Going?" *The Fertilizer Review*. The National Fertilizer Association, Vol. XXII, 6:7-10.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste, U.S. Environmental Protection Agency. Available online at <<http://biosolids.policy.net/relatives/18941.PDF>>.

EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules. U.S. Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.

ERS (2003) *Ag Chemical and Production Technology*. Economic Research Service, U.S. Department of Agriculture.

ERS (2002) Economic Research Service. U.S. Department of Agriculture. Available online at <<http://www.ers.usda.gov/>>.

ERS (1994) *Fertilizer Use and Price Statistics*. Stock #86012. Economic Research Service, U.S. Department of Agriculture.

Eve, M. (2001) E-mail from Marlen Eve of the Natural Resources Ecology Laboratory to Barbara Braatz and Caren Mintz of ICF Consulting, containing statistics on U.S. histosol areas cultivated in 1982, 1992, and 1997, which were extracted from the *1997 National Resources Inventory*, September 21, 2001.

FAO (2003) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United Nations database. Available online at <<http://apps.fao.org>>. Accessed July 2003.

Fraps G.S., and S.E. Asbury (1931) *Commercial Fertilizers in 1930-1931 and Their Uses*. Agricultural Experiment Station Bulletin Number 434. Agricultural and Mechanical College of Texas.

Hardies E.W., and A.N. Hume (1927) *Wheat in South Dakota*. Agronomy Department Bulletin Number 222. Agricultural Experiment Station, South Dakota State College of Agriculture and Mechanical Arts, Brookings, SD.

Garey L.F. (1929) *Types of Farming in Minnesota*. Agricultural Experiment Station Bulletin Number 257. University of Minnesota, St. Paul, MN.

Hargreaves M.W.M. (1993) *Dry Farming in the Northern Great Plains: Years of Readjustment, 1920-1990*. University Press of Kansas, Lawrence, KS.

Hodges J.A., F.F. Elliott, and W.E. Grimes (1930) *Types of Farming in Kansas*. Agricultural Experiment Station Bulletin Number 251. Kansas State Agricultural College, Manhattan, KS.

Holmes C.L. (1929) *Types of Farming in Iowa*. Agricultural Experiment Station Bulletin Number 259. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Holmes G.K. (1902) "Practices in Crop Rotation." *Yearbook of the Department of Agriculture*, pp 519-532.

Hopkins J.A. Jr. (1929) *The Crop System in Iowa County*. Agricultural Experiment Station Bulletin Number 261. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Hurd E.B. (1929) *The Corn Enterprise in Iowa*. Agricultural Experiment Station Bulletin Number 268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Hurd E.B. (1930) *Cropping Systems in Iowa Past and Present*. Agricultural Experiment Station Bulletin Number 268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Hurt, R.D. (1994) *American Agriculture: A Brief History*. Iowa State University Press, Ames, IA.

Ibach, D.B. and J.R. Adams (1967) *Fertilizer Use in the United States by Crops and Areas, 1964 Estimates*. Statistical Bulletin Number 408. U.S. Department of Agriculture.

Ibach, D.B., J.R. Adams, and E.I. Fox (1964) *Commercial Fertilizer used on Crops and Pasture in the United States, 1959 Estimates*. U.S. Department of Agriculture Statistical Bulletin Number 348.

Iowa State College Staff Members (1946) *A Century of Farming in Iowa 1846-1946*. The Iowa State College Press, Ames, IA.

IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others, editors. IPCC National Greenhouse Gas Inventories Programme. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>, August 13, 2004.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. IPCC National Greenhouse Gas Inventories Programme Technical Support Unit, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/gp/report.htm>>.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Johnson, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Dan Johnson, State Water Management Engineer, California Natural Resource Conservation Service, June 23, 2000.

Karkosh, R. (2000) Telephone conversation between Barbara Braatz of ICF Consulting and Roy Karkosh, Crops Branch, National Agricultural Statistics Service, U.S. Department of Agriculture, July 17, 2000.

Kellogg R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) *Manure Nutrients Relative to Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States*. U.S. Department of Agriculture Publication Number nps00-0579.

Ketzis, J. (1999) Telephone and Email conversations between Marco Alcaraz of ICF Consulting and Jen Ketzis regarding the Animal Science Department Computer Model (Cornell Net Carbohydrate and Protein System), Cornell University, June/July.

Kezer A. (ca 1917) *Dry Farming in Colorado*. Colorado State Board of Immigration. Denver.

Kirstein, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL, August 13, 2003.

Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician, U. S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC, May 8, 2000.

Langston C.W., L.M. Davis, C.A. Juve, O.C. Stine, A.E. Wight, A.J. Pistor, and C.F. Langworthy (1922) "The Dairy Industry." *Yearbook of the Department of Agriculture*.

Latta W.C. (1938) *Outline History of Indiana Agriculture*. Alpha Lambda Chapter of Epsilon Sigma Phi, Purdue University, Publishers.

Lee, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service Agency, Stillwater, OK. July 23, 2004.

Lee, D. (2003) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Danny Lee, Farm Service Agency, Stillwater, OK, July-August.

McCarl, B.A., C.C. Chang, J.D. Atwood, W.I. Nayda (1993) Documentation of ASM: The U.S. Agricultural Sector Model, Technical Report TR-93. Agricultural Experimental Station, College Station, Texas.

Metcalf and Eddy, Inc. (1991) *Wastewater Engineering: Treatment, Disposal, and Reuse*, Third Edition, McGraw-Hill Publishing Company, NY, p. 772.

Miller, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Paul Miller, Iowa Natural Resource Conservation Service, June 12, 2000.

Milton, B. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Bob Milton, Chief of Livestock Branch, U.S. Department of Agriculture, National Agriculture Statistics Service, May 1, 2000.

Mosier, A.R. (2004) E-mail correspondence between Arvin Mosier of Agricultural Research Service, USDA and Stephen Del Grosso of Natural Resource Ecology Laboratory, Colorado State University, regarding the uncertainty in estimates of N application rates for specific crops (+/-20), September 20, 2004.

Nevison, C. (2000) "Review of the IPCC methodology for estimating nitrous oxide emissions associated with agricultural leaching and runoff." *Chemosphere-Global Change Science* 2:493-500.

NRC (2002) *Air Emissions From Animal Feeding Operations: Current Knowledge, Future Needs*. National Research Council of the National Academies The National Academies Press, Washington, DC, USA

NFA (1946) *Charting the Fertilizer Course: Results of NFA's Third Practice Survey*. National Fertilizer Association. The Fertilizer Review. Vol. XXI, 2: 7-13.

NRIAI (2003) Regional Budget and Cost Information. Natural Resources Inventory and Analysis Institute. Natural Resources Conservation Service. U.S. Department of Agriculture.

Ogle, S. (2002) E-mail from Stephen Ogle of the Natural Resources Ecology Laboratory to Barbara Braatz of ICF Consulting, containing revised statistics on U.S. histosol areas cultivated in 1982, 1992, and 1997, which were extracted from the 1997 *National Resources Inventory* by Marlen Eve, January 9, 2002.

Parton, W.J., M.D. Hartman, D.S. Ojima, D.S. Schimel (1998) "DAYCENT: Its Land Surface Submodel: Description and Testing". *Glob. Planet. Chang.* 19: 35-48.

Piper C.V., R.A. Oakley, H.N. Vinall, A.J. Pieters, W.J. Morse, W.J. Spillman, O.C. Stine, J.S. Cotton., G.A. Collier, M.R. Cooper, E.C. Parker, E.W. Sheets, and A.T. Semple (1924) "Hay." *Yearbook of the Department of Agriculture*, pp 285-376.

Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) *Documenting the Status of Dairy Manure Management in New York: Current Practices and Willingness to Participate in Voluntary Programs*. Staff Paper, Dept. of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca, NY, September.

Rochette, P., D.A. Angers, G. Belanger, M.H. Chantigny, D. Prevost, G. Levesque (2004) "Emissions of N₂O From Alfalfa and Soybean Crops in Eastern Canada." *Soil Sci. Soc. Am. J.* 68: 493-506.

Ross W.H. and A.L. Mehring (1938) "Mixed Fertilizers." In *Soils and Men*. Agricultural Yearbook 1938. U.S. Department of Agriculture.

Russell E.Z., S.S. Buckley, C.E. Baker, C.E. Gibbons, R.H. Wilcox, H.W. Hawthorne, S.W. Mendum, O.C. Stine, G.K. Holmes, A.V. Swarthout, W.B. Bell, G.S. Jamieson, C.W. Warburton, and C.F. Langworthy (1922) *Hog Production and Marketing*. Yearbook of the U.S. Department of Agriculture.

Safley, L.M. (2000) Telephone conversation between Deb Bartram of ERG and L.M. Safley, President, Agri-Waste Technology, June.

Safley, L.M., M.E. Casada, J.W. Woodbury, and J.F. Roos (1992) *Global Methane Emissions from Livestock and Poultry Manure*. EPA/400/1-91/048, Office of Air and Radiation, U.S. Environmental Protection Agency. February.

Saltzer R.M., and Schollenberger C.J. (1938) "Farm Manure." In *Soils and Men*. Agricultural Yearbook 1938. U.S. Department of Agriculture.

Saxton, K.E., W.J. Rawls, J.S. Romberger, R.I. Papendick (1986) "Estimating Generalized Soil-Water Characteristics From Texture." *Soil Sci. Soc. Am. J.* 50: 1031-1036.

Schueneman, T. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, July 30, 2001.

Schueneman, T. (1999) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, August 10, 1999.

Schueneman, T., and C. Deren (2002) "An Overview of the Florida Rice Industry" SS-AGR-77, Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Revised November 2002.

Skinner, J.J. (1931) *Fertilizers for Cotton Soils*. Miscellaneous Publication Number 126. U.S. Department. of Agriculture.

Smalley, H.R., R.H. Engle, and H. Willett (1939) *American Fertilizer Practices: Second Survey*. The National Fertilizer Association.

Smith C.B. (1911) *Rotations in the Corn Belt*. Yearbook of the Department of Agriculture, pp.325-336.

Smith, P., J. Brenner, K. Paustian, G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, K. Killian, D. Lamm, J. Schuler, and S. Williams (2002) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Indiana*. Final Report to the Indiana Conservation Partnership, Colorado State University Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service, Fort Collins, CO, USA

Spillman W.J. (1908) *Types of Farming in the United States*. Yearbook of the Department of Agriculture, pp. 351-366.

Spillman W.J. (1907) *Cropping Systems for Stock Farms*. Yearbook of the Department of Agriculture, pp. 385-398.

Spillman W.J. (1905) *Diversified Farming in the Cotton Belt*. Yearbook of the Department of Agriculture, pp. 193-218.

Spillman W.J. (1902) *Systems of Farm Management in the United States*. Yearbook of the Department of Agriculture, pp. 343-364.

Stettler, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Don Stettler, Environmental Engineer, National Climate Center, Oregon Natural Resource Conservation Service, June 27, 2000.

Strehler, A., and W. Stütze (1987) "Biomass Residues". In: *Biomass*, Hall, D.O. and Overend, R.P. (eds.), pp. 75-102, John Wiley and Sons, Ltd. Chichester, UK.

Sweeten, J. (2000) Telephone conversation between Indra Mitra of ERG and John Sweeten, Texas A&M University, June.

Taylor, H.H. (1994) *Fertilizer Use and Price Statistics: 1960-93*. Resources and Technology Division, Economic Research Service, U.S. Department of Agriculture, Statistical Bulletin Number 893.

TFI (2000) U.S. Fertilizer Application Rates, The Fertilizer Institute. Available online at <<http://www.tfi.org/Statistics/FAO.USapptrate.Data.2000%20email.xls>>.

Thornton, P.E., H. Hasenauer, and M.A. White (2000) "Simultaneous Estimation of Daily Solar Radiation and Humidity from Observed Temperature and Precipitation: An Application Over Complex Terrain in Austria." *Agricultural and Forest Meteorology* 104: 255-271.

Thornton, P.E. and S.W. Running (1999) "An Improved Algorithm for Estimating Incident Daily Solar Radiation from Measurements of Temperature, Humidity, and Precipitation." *Agriculture and Forest Meteorology*. 93: 211-228.

Thornton, P.E., S.W. Running, and M.A. White (1997) "Generating Surfaces of Daily Meteorology Variables Over Large Regions of Complex Terrain." *Journal of Hydrology*. 190: 214-251.

Turn, S.Q., B.M. Jenkins, J.C. Chow, L.C. Pritchett, D. Campbell, T. Cahill, and S.A. Whalen (1997) "Elemental characterization of particulate matter emitted from biomass burning: Wind tunnel derived source profiles for herbaceous and wood fuels." *Journal of Geophysical Research* 102 (D3): 3683-3699.

TVA (1991) *Commercial Fertilizers 1991*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1992a) *Commercial Fertilizers 1992*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1992b) *Fertilizer Summary Data 1992*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1993) *Commercial Fertilizers 1993*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1994) *Commercial Fertilizers 1994*. Tennessee Valley Authority, Muscle Shoals, AL.

USDA (2004) Statistics on county level total crop area data for 1990-2003, extracted from the *Agricultural Statistics Database*, U.S. Department of Agriculture National Agricultural Statistics Service. Available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003a) *Crop Production 2002 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>. Accessed May 2003.

USDA (2003b) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 31, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003c) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 17, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003d) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 28, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003e) *Chickens and Eggs Annual Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 30, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003f) *Poultry - Production and Value 2002 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April 29, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003g) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 31, 2003. Data also available online at <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2002a) *Crop Production 2001 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>. Accessed August 2002.

USDA (2002b) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. February 1, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002c) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 18, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002d) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 28, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002e) *Chickens and Eggs Annual Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 29, revised March 22, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002f) *Poultry - Production and Value 2001 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April 29, revised May 3, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002g) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. February 1, 2002. Data also available online at <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2001a) *Crop Production 2000 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>. Accessed July 2001.

USDA (2001b) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 26, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001c) *Cattle on Feed Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 19, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001d) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 30, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001e) *Chicken and Eggs – 2000 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (2001f) *Poultry Production and Value – 2000 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April.

USDA (2001g) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. Data also available online at <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2000a) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April 14, 2000. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000b) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 28, 2000. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000c) *Chicken and Eggs - 1999 Summary Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (2000d) *Chicken and Eggs - Final Estimates 1988-1993*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. May 3, 2000.

USDA (2000e) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 24, 2000 Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000f) *Poultry Production and Value - 1999 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April.

USDA (2000g) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (2000h) *1997 National Resources Inventory*. U.S. Department of Agriculture, Natural Resources Conservation Service, Washington, DC. Available online at <<http://www.nrcs.usda.gov/technical/NRI/>>.

USDA (2000i) *Crop Production 1999 Summary*. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/field/pcp-bban/cropan00.pdf>>. Accessed July 2001.

USDA (1999a) *Cattle - Final Estimates 1994-98*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999b) *Poultry Production and Value - Final Estimates 1994-97*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March.

USDA (1999c) *Sheep and Goats - Final Estimates 1994-1998*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. USDA (1999d), *Miscellaneous Livestock and Animal Specialties Inventory and Sales: 1997 and 1992*, Table 25. U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Accessed May 2000 at <http://www.nass.usda.gov/census/census97/volume1/us-51/us2_25.pdf>.

USDA (1999e) *1992 and 1997 Census of Agriculture* (CD-ROM), National Agriculture Statistics Service, U.S. Department of Agriculture.

USDA (1998a) *Chicken and Eggs - Final Estimates 1994-97*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. December.

USDA (1998b) *Field Crops Final Estimates 1992-97*. Statistical Bulletin Number 947 a. National Agricultural Statistics Service, U.S. Department of Agriculture, GPO, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu>>. Accessed July 2001.

USDA (1998c) *Hogs and Pigs - Final Estimates 1993-97*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. December. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1998d) *Nutrients Available from Livestock Manure Relative to Crop Growth Requirements*, Resource Assessment and Strategic Planning Working Paper 98-1, U.S. Department of Agriculture, Natural Resources Conservation Service. February.

USDA (1996) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651, U.S. Department of Agriculture, Natural Resources Conservation Service. July.

USDA (1995a) *Cattle - Final Estimates 1989-93*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1995b) *Poultry Production and Value - Final Estimates 1989-1993*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC.

USDA (1994a) *Field Crops: Final Estimates, 1987-1992*. Statistical Bulletin Number 896. National Agriculture Statistics Service, U.S. Department of Agriculture, GPO, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt>>.

USDA (1994b) *Hogs and Pigs - Final Estimates 1988-92*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. December. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1994c) *Sheep and Goats - Final Estimates 1989-1993*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA. (1966) *Consumption of Commercial Fertilizers and Primary Plant Nutrients in the United States, 1850-1964 and By States, 1945-1964*. Statistical Reporting Service. Statistical Bulletin Number 375. U.S. Department of Agriculture.

USDA. (1957) *Fertilizer Used on Crops and Pastures in the United States – 1954 Estimates*. Agricultural Research Service Statistical Bulletin Number 216. U.S. Department of Agriculture.

USDA. (1954) *Fertilizer Use and Crop Yields in the United States*. The Fertilizer Work Group. Agricultural Handbook Number 68. U.S. Department of Agriculture.

USDA. (1946) *Fertilizers and Lime in the United States*. Miscellaneous Publication Number 586. U.S. Department of Agriculture.

VEMAP (1995) Members (J.M. Melillo, J. Borchers, J. Chaney, H. Fisher, S. Fox, A. Haxeltine, A. Janetos, D.W. Kicklighter, T.G.F. Kittel, A.D. McGuire, R. McKeown, R. Neilson, R. Nemani, D.S. Ojima, T. Painter, Y. Pan, W.J. Parton, L. Pierce, L. Pitelka, C. Prentice, B. Rizzo, N.A. Rosenbloom, S. Running, D.S. Schimel, S. Sitch, T. Smith, I. Woodward). “Vegetation/Ecosystem Modeling and Analysis Project (VEMAP): Comparing Biogeography and Biogeochemistry Models in a Continental-Scale Study of Terrestrial Ecosystem Responses to Climate Change and CO₂ Doubling.” *Global Biogeochemical Cycles* 9: 407-437.

Warren J.A. (1911) *Agriculture in the Central Part of the Semiarid Portion of the Great Plains*. U.S. Department of Agriculture Bureau of Plant Industry Bulletin Number 215.

Wright, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter Wright, Cornell University, College of Agriculture and Life Sciences, June 23, 2000.

Field Burning of Agricultural Residues

Barnard, G., and L. Kristoferson (1985) *Agricultural Residues as Fuel in the Third World*. Earthscan Energy Information Programme and the Beijer Institute of the Royal Swedish Academy of Sciences. London, England.

Bollich, P. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Pat Bollich, Professor with Louisiana State University Agriculture Center, May 17, 2000.

California Air Resources Board (2001) *Progress Report on the Phase Down and the 1998-2000 Pause in the Phase Down of Rice Straw Burning in the Sacramento Valley Air Basin*, Proposed 2001 Report to the Legislature, June.

California Air Resources Board (1999) *Progress Report on the Phase Down of Rice Straw Burning in the Sacramento Valley Air Basin*, Proposed 1999 Report to the Legislature, December.

Cantens, G. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company. July 30, 2004.

Cibrowski, P. (1996) Telephone conversation between Heike Mainhardt of ICF Incorporated and Peter Cibrowski, Minnesota Pollution Control Agency, July 29, 1996.

Deren, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida, August 15, 2002.

EPA (1994) *International Anthropogenic Methane Emissions: Estimates for 1990, Report to Congress*. EPA 230-R-93-010. Office of Policy Planning and Evaluation, U.S. Environmental Protection Agency. Washington, DC.

EPA (1992) *Prescribed Burning Background Document and Technical Information Document for Prescribed Burning Best Available Control Measures*. EPA-450/2-92-003. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC.

Fife, L. (1999) Telephone conversation between Catherine Leining of ICF Consulting and Les Fife, President and General Manager, Fife Environmental, June 9, 1999.

Guethle, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service, June 23, 2004.

Guethle, D. (2003) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service, June 19, 2003.

Guethle, D. (2002) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service, August 19, 2002.

Guethle, D. (2001) Telephone conversation between Caren Mintz of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service, July 31, 2001.

Guethle, D. (2000) Telephone conversation between Payton Deeks of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service, May 17, 2000.

Guethle, D. (1999) Telephone conversation between Payton Deeks of ICF Consulting and David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service, August 6, 1999.

ILENR (1993) *Illinois Inventory of Greenhouse Gas Emissions and Sinks: 1990*. Office of Research and Planning, Illinois Department of Energy and Natural Resources. Springfield, IL.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. IPCC National Greenhouse Gas Inventories Programme Technical Support Unit, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/gp/report.htm>>.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Jenkins, B.M., S.Q. Turn, and R.B. Williams (1992) Atmospheric emissions from agricultural burning in California: determination of burn fractions, distribution factors, and crop specific contributions. *Agriculture, Ecosystems and Environment* 38:313-330.

Ketzis, J. (1999) Telephone conversation between Marco Alcaraz of ICF Consulting and Jen Ketzis of Cornell University, June/July.

Kirstein, A. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, Florida. June 30, 2004.

Kirstein, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, Florida. August 13, 2003.

Klosterboer, A. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, retired Extension Agronomist, Texas A&M University. July 7, 2003.

Klosterboer, A. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. August 19, 2002.

Klosterboer, A. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. August 6, 2001.

Klosterboer, A. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. May 18, 2000.

Klosterboer, A. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. June 10, 1999.

Klosterboer, A. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Arlen Klosterboer, Extension Agronomist, Texas A & M University. August 12, 1999.

Lee, D. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Danny Lee, OK Farm Service Agency, Stillwater, OK. July 23, 2004.

Lee, D. (2003). Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Danny Lee, OK Farm Service Agency, Stillwater, OK. July 2, 2003.

Lindberg, J. (2004) Email correspondence between Lauren Flinn of ICF Consulting and Jeff Lindberg, California Air Resources Board. June-July.

Lindberg, J. (2003) Email correspondence between Caren Mintz of ICF Consulting and Jeff Lindberg, California Air Resources Board. June-July.

Lindberg, J. (2002) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Jeff Lindberg, California Air Resources Board. September 12-23, 2002.

Linscombe, S. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center. June 23, 2004.

Linscombe, S. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center. June 10, 2003.

Linscombe, S. (2002) Email correspondence between Caren Mintz of ICF Consulting and Steve Linscombe, Research Agronomist, Louisiana State University Agricultural Center, August 21, 2002.

Linscombe, S. (2001) Email correspondence between Caren Mintz of ICF Consulting and Steve Linscombe, Research Agronomist, Louisiana State University Agricultural Center, July 30 – August 1, 2001.

Linscombe, S. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Steve Linscombe, Research Agronomist, Louisiana State University Agricultural Center, June 3, 1999.

Linscombe, S. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Steve Linscombe, Research Agronomist, Louisiana State University Agricultural Center, August 9, 1999.

Mutters, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service. June 25, 2004.

Mutters, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties. University of California Cooperative Extension Service, June 23, 2003.

Mutters, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties, University of California Cooperative Extension Service, August 27, 2002.

Mutters, C. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties, University of California Cooperative Extension Service, August 27, 2001.

Mutters, C. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties, University of California Cooperative Extension Service.

Najita, T. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Theresa Najita, Air Pollution Specialist, California Air Resources Board, July 31, 2001.

Najita, T. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Theresa Najita, Air Pollution Specialist, California Air Resources Board, August 17, 2000.

Noller, J. (1996) Telephone conversation between Heike Mainhardt of ICF Incorporated and John Noller, Missouri Department of Natural Resources, July 30, 1996.

Oregon Department of Energy (1995) *Report on Reducing Oregon's Greenhouse Gas Emissions: Appendix D Inventory and Technical Discussion*. Oregon Department of Energy. Salem, OR.

Schueneman, T. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, July 30, 2001.

Schueneman, T. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, May 16, 2000.

Schueneman, T. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, June 7, 1999.

Schueneman, T. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, August 10, 1999.

Schueneman, T. (1999c) Telephone conversation between John Venezia of ICF Consulting and Tom Schueneman, Palm Beach County Agricultural Extension Agent, Florida, September 2, 1999.

Schueneman, T.J. and C.W. Deren (2002) "An Overview of the Florida Rice Industry" SS-AGR-77, Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Revised November 2002.

Slaton, N. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service.

Slaton, N. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, May 20, 2000.

Slaton, N. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Dr. Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, June 3, 1999.

Slaton, N. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Dr. Nathan Slaton, Extension Agronomist - Rice, University of Arkansas Division of Agriculture Cooperative Extension Service, August 6, 1999.

Stansel, J. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Jim Stansel, Resident Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center. July 12, 2004.

Street, J. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, June 19, 2003.

Street, J. (2002) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, August 19, 2002.

Street, J. (2001) Telephone conversation and email correspondence between Caren Mintz of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, August 1, 2001.

Street, J. (2000) Telephone conversation between Payton Deeks of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, May 17, 2000.

Street, J. (1999a) Telephone conversation between Catherine Leining of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, June 8, 1999.

Street, J. (1999b) Telephone conversation between Payton Deeks of ICF Consulting and Joe Street, Rice Specialist, Mississippi State University, Delta Research Center, August 6, 1999.

Strehler, A., and W. Stützel (1987) "Biomass Residues." In: Hall, D.O. and Overend, R.P. (eds.) *Biomass*. John Wiley and Sons, Ltd. Chichester, UK.

Turn, S.Q., B.M. Jenkins, J.C. Chow, L.C. Pritchett, D. Campbell, T. Cahill, and S.A. Whalen (1997) "Elemental characterization of particulate matter emitted from biomass burning: Wind tunnel derived source profiles for herbaceous and wood fuels." *Journal of Geophysical Research* 102(D3):3683-3699.

University of California (1977) *Emission Factors From Burning of Agricultural Waste Collected in California*. University of California, Davis.

USDA (2004) *Crop Production 2003 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at <<http://usda.mannlib.cornell.edu/>>. Accessed June 2004.

USDA (2003) *Crop Production 2002 Summary*. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/>>.

USDA (2002) *Crop Production 2001 Summary*. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/field/pcp-bban/cropan02.pdf>>.

USDA (2001) *Crop Production 2000 Summary*. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/reports/nassr/field/pcp-bban/cropan01.pdf>>.

USDA (2000) *Crop Production 1999 Summary*. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/>>.

USDA (1998) *Field Crops, Final Estimates 1992-1997*. Statistical Bulletin No. 947a. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/usda/reports/general/sb/b9471298.pdf>>.

USDA (1994) *Field Crops, Final Estimates 1987-1992*. Statistical Bulletin No. 896. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at <<http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt>>.

Walker, T. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station. July 12, 2004.

Wilson, C. (2004) Telephone conversation between Lauren Flinn of ICF Consulting and Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service. June 23, 2004.

Wilson, C. (2003) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice Specialist, University of Arkansas Cooperative Extension Service. June 11, 2003.

Wilson, C. (2002) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice Specialist, University of Arkansas Division of Agriculture Cooperative Extension Service, August 23, 2002.

Wilson, C. (2001) Telephone conversation between Caren Mintz of ICF Consulting and Dr. Chuck Wilson, Rice Specialist, University of Arkansas Division of Agriculture Cooperative Extension Service, August 1, 2001.

Wisconsin Department of Natural Resources (1993) *Wisconsin Greenhouse Gas Emissions: Estimates for 1990*. Bureau of Air Management, Wisconsin Department of Natural Resources, Madison, WI.

Land-Use Change and Forestry

EPA (1998) *Greenhouse Gas Emissions from Management of Selected Materials in Municipal Solid Waste*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. EPA530-R-98-013.

IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others, editors. IPCC National Greenhouse Gas Inventories Programme. Copy at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>, August 13, 2004.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Forest Land Remaining Forest Land: Changes in Forest Carbon Stocks

Alerich, C.L., L. Klevgard, C. Liff, P.D. Miles. (2004) The Forest Inventory and Analysis Database: Database Description and Users Guide Version 1.7. Available online at <<http://ncrs2.fs.fed.us/4801/fiadb/index.htm>>. Accessed November 2004.

Amichev, B. Y. and J. M. Galbraith (2004) A Revised Methodology for Estimation of Forest Soil Carbon from Spatial Soils and Forest Inventory Data Sets. *Environmental Management* 33, Supplement 1: S74-S86.

Birdsey, R.A., and L.S. Heath (1995) "Carbon Changes in U.S. Forests." In: *Productivity of America's Forests and Climate Change*. Gen. Tech. Rep. RM-271. Rocky Mountain Forest and Range Experiment Station, Forest

Service, U.S. Department of Agriculture, Fort Collins, CO, pp. 56-70.

Birdsey, R. (1996) Carbon Storage for Major Forest Types and Regions in the Conterminous United States. Pages 1-26 and 261-379 (appendices 262 and 263) in R. N. Sampson and D. Hair, editors. *Forest and Global Change Volume 2: Forest Management Opportunities for Mitigating Carbon Emissions*. American Forests, Washington DC.

Birdsey, R., and L. S. Heath (2001) Forest Inventory Data, Models, and Assumptions for Monitoring Carbon Flux. Pages 125-135 in *Soil Carbon Sequestration and the Greenhouse Effect*. Soil Science Society of America, Madison, WI.

Birdsey, R. A., and G. M. Lewis. (2003) Current and Historical Trends in Use, Management, and Disturbance of U. S. Forestlands. Pages 15-34 in J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. *The Potential of U.S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*. CRC Press, New York.

EPA (2003) Inventory of U. S. Greenhouse Gas Emissions and Sinks: 1990 - 2001. EPA 430-R-02-003, EPA, (Environmental Protection Agency), Office of Atmospheric Programs, Washington, DC.

EPA. (2004) *Inventory of U. S. Greenhouse Gas Emissions and Sinks: 1990 - 2002*. EPA, (Environmental Protection Agency), Office of Atmospheric Programs, Washington, DC, U. S. A.

FIA Database Retrieval System. Date created is unknown. U.S. Department of Agriculture, Forest Service. Available online at <<http://ncrs2.fs.fed.us/4801/fiadb/index.htm>>. Accessed November 2004.

USDA Forest Service (2001) U.S. Forest Facts and Historical Trends. FS-696. Washington, DC. USDA Forest Service. 18p. Available online at <<http://www.fia.fs.fed.us/library/ForestFactsMetric.pdf>>.

Fraye, W.E., and G.M. Furnival (1999) "Forest Survey Sampling Designs: A History." *Journal of Forestry* 97(12): 4-10.

Gillespie, A.J.R. (1999) "Rationale for a National Annual Forest Inventory Program." *Journal of Forestry* 97(12): 16-20.

Haynes, R.W. (2003) An Analysis of the Timber Situation in the United States: 1952-2050. Gen. Tech. Rep. PNW-GTR-560., U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.

Heath, L.S., R.A. Birdsey, C. Row, and A.J. Plantinga (1996) "Carbon Pools and Fluxes in U.S. Forest Products." In: Apps, M.J. and Price, D.T. (eds.) *Forest Ecosystems, Forest Management and the Global Carbon Cycle*. Springer-Verlag, Berlin, pp. 271-278.

Heath, L. S., and J.E. Smith (2000a) "Soil Carbon Accounting and Assumptions for Forestry and Forest-related Land Use Change." In: *The Impact of Climate Change on America's Forests*. Joyce, L.A., and Birdsey, R.A. Gen. Tech. Rep. RMRS-59. Rocky Mountain Research Station, Forest Service, U.S. Department of Agriculture, Fort Collins, CO, pp. 89-101.

Heath, L.S., and J. E. Smith (2000b) "An Assessment of Uncertainty in Forest Carbon Budget Projections." *Environmental Science & Policy* 3:73-82.

Heath, L.S., J.E., Smith, and R.A. Birdsey (2003). Carbon Trends in U. S. Forestlands: A Context for the Role of Soils in Forest Carbon Sequestration. Pages 35-45 in J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. *The Potential of U. S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*. Lewis Publishers (CRC Press), Boca Raton, FL.

Howard, J. L. (2001) *U.S. Timber Production, Trade, Consumption, and Price Statistics 1965-1999*. Research Paper RP-595, USDA Forest Service, Forest Products Laboratory, Madison, WI.

Ince, P. J. (1994) *Recycling and Long-Range Timber Outlook*. Gen. Tech. Rep. RM-242. Rocky Mountain Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Fort Collins, CO, 66 p.

IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. J. Penman and others, editors. IPCC National Greenhouse Gas Inventories Programme. Copy at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>, August 13, 2004.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Johnson, D. W., and P. S. Curtis (2001) Effects of Forest Management on Soil C and N Storage: Meta Analysis. *Forest Ecology and Management* 140:227-238.

Miles, P. D., G. J. Brand, C. L. Alerich, L. F. Bednar, S. W. Woudenberg, J. F. Glover, and E. N. Ezell (2001) *The Forest Inventory and Analysis Database Description and Users Manual Version 1.0*. North Central Research Station, St. Paul, MN.

Mills, J.R., and J.C. Kincaid (1992) *The Aggregate Timberland Assessment System-ATLAS: A Comprehensive Timber Projection Model*. Gen. Tech. Rep. PNW-281. Pacific Northwest Research Station, Forest Service, U.S. Department of Agriculture, Portland, OR, 160 pp.

Phillips, D.L., S.L. Brown, P.E. Schroeder, and R.A. Birdsey (2000) Toward Error Analysis of Large-Scale Forest Carbon Budgets. *Global Ecology and Biogeography* 9:305-313.

Row, C., and R. B. Phelp (1996) Wood Carbon Flows and Storage After Timber Harvest. Pages 27-58 in R. N. Sampson and D. Hair, editors. *Forest and Global Change Volume 2: Forest Management Opportunities for Mitigating Carbon Emissions*. American Forests, Washington D C.

Skog, K.E., and G.A. Nicholson (1998) "Carbon Cycling Through Wood Products: The Role of Wood and Paper Products in Carbon Sequestration." *Forest Products Journal* 48:75-83.

Smith, J.E., and L.S. Heath (2000) "Considerations for Interpreting Probabilistic Estimates of Uncertainty of Forest Carbon." In: *The Impact of Climate Change on America's Forests*. Gen. Tech. Rep. RMRS-59. Rocky Mountain Research Station, Forest Service, U.S. Department of Agriculture, Fort Collins, CO, pp. 102-111.

Smith, J.E., and L.S. Heath (2002) A model of forest floor carbon mass for United States forest types. Res. Paper NE-722. USDA Forest Service, Northeastern Research Station, Newtowne Square, PA.

Smith, J. E., L. S. Heath, and J. C. Jenkins (2003) *Forest Volume-to-Biomass Models and Estimates of Mass for Live and Standing Dead Trees of U.S. Forests*. General Technical Report NE-298, USDA Forest Service, Northeastern Research Station, Newtown Square, PA.

Smith, J. E., L. S. Heath, and P. B. Woodbury (2004 a) How to estimate forest carbon for large areas from inventory data. *Journal of Forestry* 102:25-31.

Smith, W.B., J.S. Vissage, D.R. Darr, and R.M. Sheffield (2001) *Forest Resources of the United States, 1997*. Gen. Tech. Rep. NC-219. North Central Research Station, Forest Service, U.S. Department of Agriculture, St. Paul, MN, 191 pp.

Smith, W. B., P. D. Miles, J. S. Vissage, and S. A. Pugh (2004 b) *Forest Resources of the United States, 2002*. General Technical Report NC-241, USDA Forest Service, North Central Research Station, St. Paul, MN.

Ulrich, A.H. (1989) *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-1987*. USDA Miscellaneous Publication No. 1471, U.S. Department of Agriculture, Forest Service, Washington, DC, 77 pp

USDA Forest Service (1964) *The Demand and Price Situation for Forest Products, 1964*. Misc. Pub. 983, Washington, DC.

USDA/SCS. 1991. *State Soil Geographic (STATSGO) Data Base Data use information*. Miscellaneous Publication Number 1492, USDA, Natural Resources Conservation Service, National Soil Survey Center, Fort Worth, TX.

Waddell, K.L., D.D. Oswald and D.S. Powell (1989) *Forest Statistics of the United States, 1987*. Resource Bulletin PNW-RB-168. Pacific Northwest Research Station, Forest Service, U.S. Department of Agriculture, Portland, OR, 106 pp.

Forest Land Remaining Forest Land: N₂O Fluxes from Soils

Binkley, D. (2004) E-mail correspondence between Dan Binkley, Department of Forest, Rangeland, and Watershed Stewardship, Colorado State University and Stephen Del Grosso, Natural Resource Ecology Laboratory, Colorado State University regarding the 95% CI for area estimates of southern pine plantations receiving N fertilizer (+/-20%) and the rate applied for areas receiving N fertilizer (100 to 200 pounds/acre), 19 September.

Binkley, D., Carter, R., and Allen, H.L. (1995) *Nitrogen Fertilization Practices in Forestry*. In *Nitrogen Fertilization in the Environment*, P.E. Bacon (ed.), Marcel Decker, Inc., New York.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. IPCC National Greenhouse Gas Inventories Programme. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gp/english/>>. Accessed October 2004.

North Carolina State Forest Nutrition Cooperative (2002) *31st Annual Report*. Available online at <<http://www.ncsu.edu/ncsfnc>>. Accessed October 2004.

USDA Forest Service (2001) *U.S. Forest Facts and Historical Trends*. FS-696. Washington, DC: USDA Forest Service 18p. Available online at <<http://www.fia.fs.fed.us/library/ForestFactsMetric.pdf>>.

Croplands Remaining Croplands: Changes in Agricultural Soil Carbon Stocks

Anderson, S. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Steve Anderson, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 31, 2000.

ASAE (1999) *ASAE Standards 1999*. 46th Edition, American Society of Agricultural Engineers, St. Joseph, MI.

Armentano, T.V. and J.T.A. Verhoeven (1990) "Biogeochemical Cycles: Global." In: *Wetlands and Shallow Continental Water Bodies*. Patten, B.C., et al. (eds.) SPB Academic Publishing, The Hague, Netherlands, Volume I, pp. 281-311.

Barbarika, A. (2004) *Net enrollment in the Conservation Reserve Program after 1997 based on active contracts*, Farm Services Agency, Washington, DC. Communication to Stephen Ogle of the Natural Resource Ecology Laboratory, Colorado State University, December 2002.

Brady, N.C. and R.R. Weil (1999) *The Nature and Properties of Soils*. Prentice Hall, Upper Saddle River, New Jersey, 881 pp.

Carpenter, G.H. (1992) "Current Litter Practices and Future Needs." In: *1992 National Poultry Waste Management Symposium Proceedings*, Blake, J.P., Donald, J.O., and Patterson, P.H. (eds.), pp. 268-273, Auburn University Printing Service, Auburn, AL.

CTIC (1998) "1998 Crop Residue Management Executive Summary," Conservation Technology Information Center, West Lafayette, Indiana.

Daly, C., G.H. Taylor, W.P. Gibson, T. Parzybok, G.L. Johnson, and P.A. Pasteris (1998) "Development of High-quality Spatial Datasets for the United States," in: *Proc., 1st International Conference on Geospatial Information in Agriculture and Forestry*, Lake Buena Vista, FL, June 1-3, 1998, pp. I-512 – I-519.

Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A Statistical-Topographic Model for Mapping Climatological Precipitation Over Mountainous Terrain, *Journal of Applied Meteorology*, 33:140-158.

Dean, W. E., and E. Gorham (1998) Magnitude and significance of carbon burial in lakes, reservoirs, and peatlands. *Geology* 26:535-538.

Deal, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter B. Deal, Rangeland Management Specialist, Florida Natural Resource Conservation Service, June 21, 2000.

Edmonds, L., R. L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D. C. Moffitt, and J. Schaefer. 2003. Costs associated with development and implementation of Comprehensive Nutrient Management Plans. Part I – Nutrient management, land treatment, manure and wastewater handling and storage, and recordkeeping. Natural Resources Conservation Service. U. S. Department of Agriculture. Available online at <<http://www.nrcs.usda.gov/technical/land/pubs/cnmp1.html>>.

Euliss, N., and R. Gleason (2002) Wetland restoration factor estimates and restoration activity data compiled and provided by Ned Euliss and Robert Gleason. USGS, Jamestown, North Dakota, to Stephen Ogle of the National Resource Ecology Laboratory, Fort Collins, Colorado. August.

Euliss, N.H., Jr., R.A. Gleason, A. Olness, R.L. McDougal, H.R. Murkin, R.D. Robarts, R.A. Bourbonniere, and B.G. Warner (In prep) "Prairie wetlands of North America important for carbon storage".

Eve, M.D., K. Paustian, R. Follett, and E.T. Elliot (2001) A national inventory of changes in soil carbon from National Resources Inventory data. Pages 593-610 In: R. Lal, J.M. Kimble, R.F. Follett, and B.A. Stewart. *Methods for Soil Carbon*. CRC Press, Boca Raton, FL.

FAO (2003) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United Nations database, <<http://apps.fao.org>> Accessed July 2003.

Hamilton, S.K., A.L. Kutzman, and G.P. Robertson (2002) "Liming of agricultural soils: A source or a sink for CO₂?" Presented at USDA Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions, November 2002, Raleigh, NC.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. IPCC National Greenhouse Gas Inventories Programme. Hayama, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.

Johnson, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Dan Johnson, State Water Management Engineer, California Natural Resource Conservation Service, June 23, 2000.

Kellogg, R.L., C.H. Lander, D.C. Moffitt, and Gollehon, N. (2000) "Manure Nutrients Relative to the Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States," U.S. Department of Agriculture, Publication number nps00-0579, Washington, DC.

Lange, J. (2000) Telephone conversation between Lee-Ann Tracy of ERG and John Lange, Agricultural Statistician, U. S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC, May 8, 2000.

Miller, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Paul Miller, Iowa Natural Resource Conservation Service, June 12, 2000.

Milton, B. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Bob Milton, Chief of Livestock Branch, U.S. Department of Agriculture, National Agriculture Statistics Service, May 1, 2000.

Metherell, A.K., Harding, L.A., Cole, C.V. and Parton, W.J. (1993) "CENTURY Soil Organic Matter Model Environment." Agroecosystem version 4.0. Technical documentation, GPSR Tech. Report No. 4, USDA/ARS, Ft. Collins, CO.

Nardoizzi, Charlie (2004). "Minerals for Soil." National Gardening Association. Available online at <<http://www.nationalgardening.com/articles/scripts/articles.taf?id=238&ch=care&subch=default>>.

NRCS (1999) "Soil Taxonomy: A basic system of soil classification for making and interpreting soil surveys, 2nd Edition." Agricultural Handbook Number 436, USDA Natural Resources Conservation Service, Washington, DC.

NRCS (1997) "National Soil Survey Laboratory Characterization Data," Digital Data, USDA - NRCS, Lincoln, NE.

NRCS (1981) "Land Resource Regions and Major Land Resource Areas of the United States," *USDA Agriculture Handbook 296*, United States Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Center, Lincoln, NE, 156 pp.

Nusser, S.M., F.J. Breidt, and W.A. Fuller (1998) "Design and Estimation for Investigating the Dynamics of Natural Resources, *Ecological Applications*, 8:234-245.

Nusser, S.M., and J.J. Goebel (1997) "The National Resources Inventory: A long-term multi-resource monitoring programme," *Environmental and Ecological Statistics*, 4:181-204.

Ogle, S., M. Eve, M. Sperrow, F.J. Breidt, and K. Paustian (2002) Agricultural Soil C Emissions, 1990-2001: Documentation to Accompany EPA Inventory Tables. Natural Resources Ecology Laboratory, Fort Collins, CO, Provided in 23 September 2002 e-mail from S.M. Ogle to B.V. Braatz at ICF Consulting.

Ogle, S.M., M.D. Eve, F.J. Breidt, and K. Paustian. 2003. Uncertainty in estimating land use and management impacts on soil organic carbon storage for U.S. agroecosystems between 1982 and 1997. *Global Change Biology* 9:1521-1542.

Ogle, S.M., F.J. Breidt, and K. Paustian. In review. Implications of upscaling information in model-based assessments addressing global change.

Olness, A., N.H. Euliss, Jr., and R.A. Gleason (In press) Carbon and nitrogen sequestration in northern native and restored prairie wetlands. *Journal of Environmental Quality*.

Parton, W.J., D.S. Ojima, C.V. Cole, and D.S. Schimel (1994) "A General Model for Soil Organic Matter Dynamics: Sensitivity to litter chemistry, texture and management." In: *Quantitative Modeling of Soil Forming Processes*. Special Publication 39, Soil Science Society of America, Madison, WI, pp. 147-167.

Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) *Documenting the Status of Dairy Manure Management in New York: Current Practices and Willingness to Participate in Voluntary Programs*. Staff Paper, Dept. of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca, NY, September.

Safley, L.M. (2000) Telephone conversation between Deb Bartram of ERG and L.M. Safley, President, Agri-Waste Technology, June.

Safley, L.M., M.E. Casada, J.W. Woodbury, and J.F. Roos (1992) *Global Methane Emissions from Livestock and Poultry Manure*. EPA/400/1-91/048, Office of Air and Radiation, U.S. Environmental Protection Agency. February.

Stettler, D. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Don Stettler, Environmental Engineer, National Climate Center, Oregon Natural Resource Conservation Service, June 27, 2000.

Sweeten, J. (2000) Telephone conversation between Indra Mitra of ERG and John Sweeten, Texas A&M University, June.

Tepordei, Valentin V. (2004) "Crushed Stone," In: *Minerals Yearbook 2002*, U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2004.

Tepordei, Valentin V. (2003). Personnel communication with ICF Consulting by phone on August 18, 2003.

Tepordei, V. V. (2003) "Crushed Stone," In: *Minerals Yearbook 2001*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed June 2003.

Tepordei, V. V. (2002) "Crushed Stone," In: *Minerals Yearbook 2000*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis >. Accessed September 2002.

Tepordei, V. V. (2001) "Crushed Stone," In: *Minerals Yearbook 1999*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis >. Accessed August 2001.

Tepordei, V. V. (2000) "Crushed Stone," In: *Minerals Yearbook 1998*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis >. Accessed August 2000.

Tepordei, V. V. (1999) "Crushed Stone," In: *Minerals Yearbook 1997*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis >. Accessed August 2000.

Tepordei, V. V. (1998) "Crushed Stone," In: *Minerals Yearbook 1996*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis >. Accessed August 2000.

Tepordei, V. V. (1997) "Crushed Stone," In: *Minerals Yearbook 1995*. U.S. Department of the Interior/U.S. Geological Survey, Washington, DC. pp. 783-809. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis.

Tepordei, V. V. (1996) "Crushed Stone," In: *Minerals Yearbook 1994*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis >. Accessed August 2000.

Tepordei, V. V. (1995) "Crushed Stone," In: *Minerals Yearbook 1993*. U.S. Department of the Interior/Bureau of Mines, Washington, DC, pp. 1107-1147. Tepordei, V. V. (1994) "Crushed Stone," In: *Minerals Yearbook 1992*. U.S. Department of the Interior/Bureau of Mines, Washington, DC, pp. 1279-1303.

Tepordei, V. V. (1993) "Crushed Stone," In: *Minerals Yearbook 1991*. U.S. Department of the Interior/Bureau of Mines, Washington, DC, pp. 1469-1511.

Towery, D. (2001) Adjustments to the CTIC (1998) tillage data to reflect long-term trends provided by Dan Towery of the Conservation Technology Information Center, West Lafayette, Indiana, to Marlen Eve of the National Resource Ecology Laboratory, Fort Collins, CO. February.

USDA (2003a) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 31, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003b) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 17, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003c) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 28, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003d) *Chickens and Eggs Annual Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 30, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003e) *Poultry - Production and Value 2002 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April 29, 2003. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2003f) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 31, 2003. Data also available online at <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2002a) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. February 1, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002b) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 18, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002c) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 28, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002d) *Chickens and Eggs Annual Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 29, revised March 22, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002e) *Poultry - Production and Value 2001 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April 29, revised May 3, 2002. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2002f) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. February 1, 2002. Data also available online at <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2001a) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 26, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001b) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 19, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001c) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 30, 2001. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2001d) *Chicken and Eggs – 2000 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (2001e) *Poultry Production and Value – 2000 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April.

USDA (2001f) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. Data also available online at <<http://www.usda.gov/nass/pubs/reportname.htm>>.

USDA (2000a) *Cattle on Feed*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April 14, 2000. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000b) *Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January 28, 2000. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000c) *Chicken and Eggs - 1999 Summary Cattle*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (2000d) *Chicken and Eggs - Final Estimates 1988-1993*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. May 3, 2000.

USDA (2000e) *Hogs and Pigs*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March 24, 2000. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (2000f) *Poultry Production and Value - 1999 Summary*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. April.

USDA (2000g) *Sheep and Goats*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (1999a) *Cattle - Final Estimates 1994-98*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1999b) *Poultry Production and Value - Final Estimates 1994-97*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. March.

USDA (1999c) *Sheep and Goats - Final Estimates 1994-1998*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA (1999d), *Miscellaneous Livestock and Animal Specialties Inventory and Sales: 1997 and 1992*, Table 25. U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. Accessed May 2000 at <http://www.nass.usda.gov/census/census97/volume1/us-51/us2_25.pdf>.

USDA (1999e) *1992 and 1997 Census of Agriculture* (CD-ROM), National Agriculture Statistics Service, U.S. Department of Agriculture.

USDA (1998a) *Chicken and Eggs - Final Estimates 1994-97*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. December.

USDA (1998b) *Hogs and Pigs - Final Estimates 1993-97*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. December. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1998c) *Nutrients Available from Livestock Manure Relative to Crop Growth Requirements*, Resource Assessment and Strategic Planning Working Paper 98-1, U.S. Department of Agriculture, Natural Resources Conservation Service. February.

USDA (1996) *Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH)*, Part 651, U.S. Department of Agriculture, Natural Resources Conservation Service. July.

USDA (1995a) *Cattle - Final Estimates 1989-93*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1995b) *Poultry Production and Value - Final Estimates 1989-1993*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC.

USDA (1994a) *Hogs and Pigs - Final Estimates 1988-92*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. December. Data also available online at <<http://www.nass.usda.gov:81/ipedb/>>.

USDA (1994b) *Sheep and Goats - Final Estimates 1989-1993*, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. January.

USDA-NRCS (2000) "Digital Data And Summary Report: 1997 National Resources Inventory." Revised December 2000. United States Department of Agriculture, Natural Resources Conservation Service, Resources Inventory Division, Beltsville, MD.

USGS (2004) Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2004, U.S. Geological Survey, Reston, VA. Available online at <http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>. Accessed August 2004.

USGS (2003) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2003*. U.S. Geological Survey, Reston, VA. Available online at <http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>.

USGS (2002) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2002*. U.S. Geological Survey, Reston, VA. Available online at <http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>.

Wright, P. (2000) Telephone conversation between Lee-Ann Tracy of ERG and Peter Wright, Cornell University, College of Agriculture and Life Sciences, June 23, 2000.

Settlements Remaining Settlements: Changes in Yard Trimming and Food Scrap Carbon Stocks in Landfills

Barlaz, M.A. (1998) "Carbon Storage during Biodegradation of Municipal Solid Waste Components in Laboratory-Scale Landfills." *Global Biogeochemical Cycles* 12: 373-380.

Eleazer, W.E., W.S. Odle, Y. Wang, and M. Barlaz (1997) "Biodegradability of Municipal Solid Waste Components in Laboratory-Scale Landfills" *Environmental Science Technology*, 31: 911-917.

EPA (2003) *Municipal Solid Waste in the United States: 2001 Facts and Figures*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. EPA/530-R-03-011.

EPA (2002) *Municipal Solid Waste in the United States: 2000 Facts and Figures*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. EPA530-R-02-001.

EPA (1999) *Characterization of Municipal Solid Waste in the United States: 1998 Update*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

Oshins, C., and D. Block (2000) "Feedstock Composition at Composting Sites." *Biocycle* 41(9):31-34.

Tchobanoglous, G., H. Theisen, and S.A. Vigil (1993) *Integrated Solid Waste Management, 1st edition*. McGraw-Hill, NY. Cited by Barlaz (1998).

Settlements Remaining Settlements: Changes in Carbon Stocks in Urban Trees

AF (2003) "New Study Reveals Dramatic National Tree Loss: San Antonio Leads the Way Announcing Greening Strategies at Urban Forest Conference." *American Forests*. Available online at <<http://www.americanforests.org/news/print.php?id=120>>.

Cairns, M.A., S. Brown, E.H. Helmer, and G.A. Baumgardner (1997) "Root Biomass Allocation in the World's Upland Forests." *Oecologia* 111: 1-11.

deVries, R.E. (1987) *A Preliminary Investigation of the Growth and Longevity of Trees in Central Park*. New Brunswick, NJ: Rutgers University, M.S. thesis.

Dwyer, J.F., D.J. Nowak, M.H. Noble, and S.M. Sisinni (2000) *Connecting People with Ecosystems in the 21st Century: An Assessment of Our Nation's Urban Forests*. General Technical Report PNW-GTR-490, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Portland, OR.

Fleming, L.E. (1988) *Growth Estimation of Street Trees in Central New Jersey*. New Brunswick, NJ: Rutgers University, M.S. thesis. IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. IPCC National Greenhouse Gas Inventories Programme. Hayama, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/public/gpplulucf/gpplulucf.htm>>.

Nowak, D.J. (2002) E-mail from David Nowak of the USDA Forest Service to Barbara Braatz at ICF Consulting, containing information on possible urban tree carbon and forest carbon overlap, January 10, 2002.

Nowak, D.J. (1994) "Atmospheric Carbon Dioxide Reduction by Chicago's Urban Forest." In: McPherson, E.G., Nowak, D. J., and Rowntree, R.A. (eds.) *Chicago's Urban Forest Ecosystem: Results of the Chicago Urban Forest Climate Project*. USDA Forest Service General Technical Report NE-186, Radnor, PA, pp. 83-94.

Nowak, D.J., (1986) "Silvics of an Urban Tree Species: Norway Maple (*Acer platanoides* L.)." Syracuse, NY: State University of New York, College of Environmental Science and Forestry, M.S. thesis.

Nowak, D.J. and D.E. Crane (2002) "Carbon Storage and Sequestration by Urban Trees in the United States." *Environmental Pollution* 116(3): 381-389.

Nowak, D.J., D.E. Crane, J.C. Stevens, and M. Ibarra (2002) *Brooklyn's Urban Forest*, USDA Forest Service General Technical Report NE-290, Newtown Square, PA.

Nowak, D.J., M.H. Noble, S.M. Sisinni, and J.F. Dwyer (2001) "Assessing the U.S. Urban Forest Resource." *Journal of Forestry*. 99(3): 37-42.

Smith, W.B. and S.R. Shifley (1984) *Diameter Growth, Survival, and Volume Estimates for Trees in Indiana and Illinois*. Res. Pap. NC-257. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station.

Settlements Remaining Settlements: N₂O Fluxes from Settlements Remaining Settlements

AAPFCO (2004) *Commercial Fertilizers 2003*. Association of American Plant Food Control Officials and The Fertilizer Institute, University of Kentucky, Lexington, KY.

AAPFCO (2003) *Commercial Fertilizers 2002*. Association of American Plant Food Control Officials and The Fertilizer Institute, University of Kentucky, Lexington, KY.

AAPFCO (2002) *Commercial Fertilizers 2001*. Association of American Plant Food Control Officials and The Fertilizer Institute, University of Kentucky, Lexington, KY.

AAPFCO (2000a) *1999-2000 Commercial Fertilizers Data*. ASCII files. Available: David Terry, Secretary, AAPFCO.

AAPFCO (2000b) *Commercial Fertilizers 2000*. Association of American Plant Food Control Officials, University of Kentucky, Lexington, KY.

AAPFCO (1999) *Commercial Fertilizers 1999*. Association of American Plant Food Control Officials, University of Kentucky, Lexington, KY.

AAPFCO (1998) *Commercial Fertilizers 1998*. Association of American Plant Food Control Officials, University of Kentucky, Lexington, KY.

AAPFCO (1997) *Commercial Fertilizers 1997*. Association of American Plant Food Control Officials, University of Kentucky, Lexington, KY.

AAPFCO (1996) *Commercial Fertilizers 1996*. Association of American Plant Food Control Officials, University of Kentucky, Lexington, KY.

AAPFCO (1995) *Commercial Fertilizers 1995*. Association of American Plant Food Control Officials, University of Kentucky, Lexington, KY.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. IPCC National Greenhouse Gas Inventories Programme Technical Support Unit, Kanagawa, Japan. Available online at <<http://www.ipcc-nggip.iges.or.jp/gp/report.htm>>.

Qian, Y. (2004) Meeting between Yaling Qian of Horticulture and Landscape Architecture Department, Colorado State University and William Patron and Stephen Del Grosso of Natural Resource Ecology Laboratory, Colorado State University, regarding the percentage of national fertilizer applied to turf grass (10% of national N) and the confidence interval for this estimate (-50 to +20%), September 17, 2004

TVA (1991) *Commercial Fertilizers 1991*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1992) *Commercial Fertilizers 1992*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1993) *Commercial Fertilizers 1993*. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1994) *Commercial Fertilizers 1994*. Tennessee Valley Authority, Muscle Shoals, AL.

Waste

Landfills

40 CFR Part 60, Subparts Cc (2002) Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills, 60.30c--60.36c, Code of Federal Regulations, Title 40. Available online at <http://www.access.gpo.gov/nara/cfr/cfrhtml_00/Title_40/40cfr60_00.html>.

Bingemer, H. and J. Crutzen (1987) "The Production of Methane from Solid Wastes," *Journal of Geophysical Research*, 92:2181-2187.

BioCycle (2004) "14th Annual BioCycle Nationwide Survey: The State of Garbage in America," S. Kaufman, N. Goldstein, K. Millrath, and N. Themelis. January.

Czepiel, P., B. Mosher, P. Crill, and R. Harriss. (1996) "Quantifying the Effect of Oxidation on Landfill Methane Emissions," *Journal of Geophysical Research*, 101(D11):16721-16730.

Energy Information Administration (2004) Voluntary Greenhouse Gas Reports for EIA Form 1605B (Reporting Year 2002). Database available at <<ftp://ftp.eia.doe.gov/pub/oiaf/1605/cdrom/>>.

EPA (2004) *Landfill Gas-to-Energy Project Database*, Landfill Methane and Outreach Program. July.

EPA (2003) *Municipal Solid Waste in the United States: 2001 Facts and Figures*, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. EPA530-R-03-011. October.

EPA (1998) *Compilation of Air Pollution Emission Factors, Publication AP-42*, Section 2.4 Municipal Solid Waste Landfills. November.

EPA (1993) *Anthropogenic Methane Emissions in the United States, Estimates for 1990: Report to Congress*, U.S. Environmental Protection Agency, Office of Air and Radiation, Washington, DC. EPA/430-R-93-003. April.

EPA (1988) *National Survey of Solid Waste (Municipal) Landfill Facilities*, U.S. Environmental Protection Agency, Washington, DC. EPA/530-SW-88-011. September.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Jensen, J. and R. Pipatti (2002) "CH₄ Emissions from Solid Waste Disposal," *Background Papers- IPCC Expert Meetings on Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*.

Mancinelli, R. and C. McKay (1985) "Methane-Oxidizing Bacteria in Sanitary Landfills," *Proceedings of the First Symposium on Biotechnical Advances in Processing Municipal Wastes for Fuels and Chemicals*, August 1984, Minneapolis, Minnesota, pp. 437-450.

Peer, R., S. Thorneloe, and D. Epperson (1993) "A Comparison of Methods for Estimating Global Methane Emissions from Landfills," *Chemosphere*, 26(1-4): 387-400.

RTI (2004) Documentation for Changes to the Methodology for the Inventory of Methane Emissions from Landfills. September.

Solid Waste Association of North America (1998) "*Comparison of Models for Predicting Landfill Methane Recovery*," Publication No. GR-LG 0075, March.

U.S. Bureau of Census (2004) Databases available at <<http://www.census.gov/>>; Other databases available online at <<http://www.census.gov/population/www/documentation/twps0027.html>> and <http://www.npg.org/facts/us_historical_pops.htm>.

Wastewater Treatment

EPA (2002) *Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Meat and Poultry Products Industry Point Source Category (40 CFR Part 432)*. United States Environmental Protection Agency, Washington, DC, January 2002.

EPA (1997a) *Supplemental Technical Development Document for Effluent Limitations Guidelines and Standards for the Pulp, Paper, and Paperboard Category*. United States Environmental Protection Agency, Office of Water. EPA/821-R-97-011, Washington, DC, October, 1997.

EPA (1997b) *Estimates of Global Greenhouse Gas Emissions from Industrial and Domestic Wastewater Treatment*. United States Environmental Protection Agency, Office of Policy, Planning, and Evaluation. EPA-600/R-97-091, Washington, DC, September, 1997.

EPA (1996) *1996 Clean Water Needs Survey Report to Congress. Assessment of Needs for Publicly Owned Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and Management of Storm Water and Nonpoint Source Pollution in the United States (NEEDS Survey)*. Available online at <<http://www.epa.gov/owm/uc.htm>>.

EPA (1993) *Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Pulp, Paper and Paperboard Point Source Category*. EPA-821-R-93-019. United States Environmental Protection Agency, Office of Water, Washington, DC, October, 1993.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*, Intergovernmental Panel on Climate Change, Intergovernmental Panel on Climate Change, National Greenhouse Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000), May 2000.

Lockwood-Post (2002) *Lockwood-Post's Directory of Pulp, Paper and Allied Trades*, Miller-Freeman Publications, San Francisco, CA.

Metcalf & Eddy, Inc. (2003) *Wastewater Engineering: Treatment, Disposal, Reuse*. McGraw-Hill: New York. ISBN 0-07-041878-0.

Nemerow, Nelson Leonard and Avijit Dasgupta (1991) *Industrial and Hazardous Waste Treatment*. Van Nostrand Reinhold. NY. ISBN 0-442-31934-7.

U.S. Census Bureau (2004) *International Data Base (IDB): World Population Information*, Washington DC. 30 September. Available online at <<http://www.census.gov/ipc/www/idbnew.html>>.

USDA National Agricultural Statistics Service (2004). Washington, DC. Available online at <<http://www.usda.gov/nass/>>.

WORLDBANK (1999) *Pollution Prevention and Abatement Handbook 1998, Toward Cleaner Production*. The International Bank for Reconstruction and Development/The WORLDBANK. 1818 H Street, NW Washington, DC. 20433, USA. ISBN 0-8213-3638-X.

Human Sewage (Domestic Wastewater)

Czepiel, P., P. Crill, and R. Harriss (1995) Nitrous oxide emissions from municipal wastewater treatment. ENVIRON. SCI. TECHNOL. vol. 29, no. 9, pp. 2352-2356. ISSN- 0013-936X.

EPA (1996) *1996 Clean Water Needs Survey Report to Congress. Assessment of Needs for Publicly Owned Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and Management of Storm Water and Nonpoint Source Pollution in the United States*. (NEEDS Survey). Available online at <<http://www.epa.gov/owm/uc.htm>>.

FAO (2004) *FAOSTAT Statistical Database*, United Nations Food and Agriculture Organization. Available online at <<http://faostat.fao.org/faostat/collections>>, accessed October 4, 2004.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Paris: Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency.

Metcalf and Eddy, Inc. (1991) *Wastewater Engineering: Treatment, Disposal, and Reuse*, Third Edition, McGraw-Hill Publishing Company, NY. ISBN 0-07-041690-7.

U.S. Census Bureau (2004) *International Data Base (IDB): World Population Information*, Washington DC. 30 September. < <http://www.census.gov/ipc/www/idbnew.html>>.

Waste Sources of Ambient Air Pollutants

EPA (2004) Air Emissions Trends - Continued Progress Through 2003. U.S. Environmental Protection Agency, Washington DC. Available online at <<http://www.epa.gov/airtrends/econ-emissions.html>>. November 27, 2004.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between EPA OAP and EPA OAQPS. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, October.